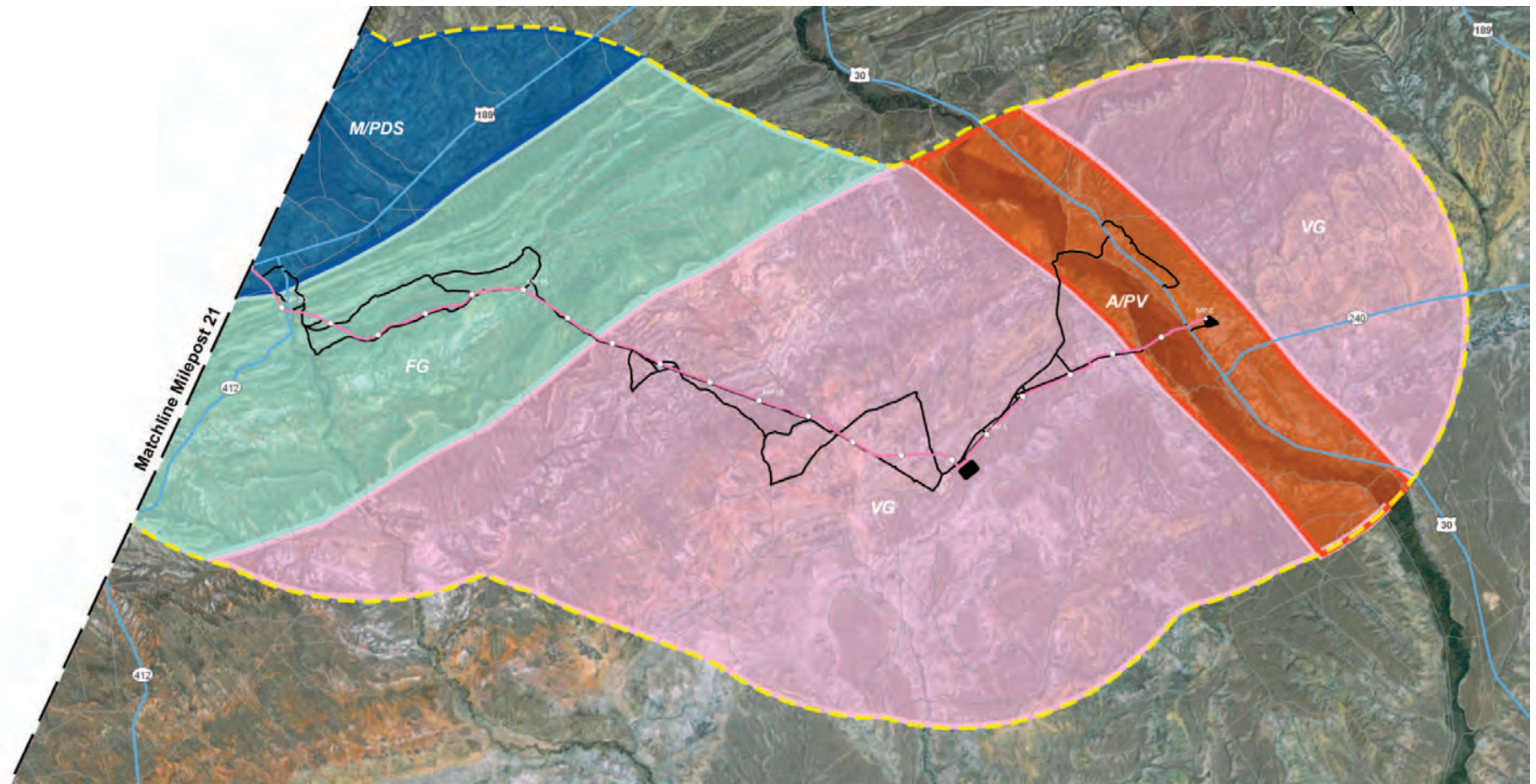


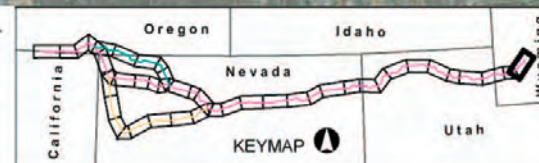
## **Appendix A**

### **Regional Landscape Character Units**



Key

- |                                  |                    |   |
|----------------------------------|--------------------|---|
| Proposed Ruby Pipeline Alignment | Access road        | <b>Regional Landscape Character Units</b> |
| Sheldon Alternative              | Interstate         | MC/MF                                     |
| Black Rock Alternative           | Highway            | M/PDS                                     |
| Middleground                     | Local road         | FG  |
| Pipeline milepost                | Compressor station | VG  |
|                                  |                    | JW  |
|                                  |                    | VDS                                       |
|                                  |                    | SD/P                                      |
|                                  |                    | A/PV                                      |
|                                  |                    | R/S                                       |
|                                  |                    | Water Body                                |

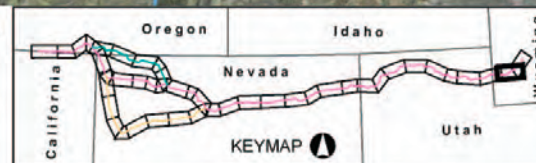
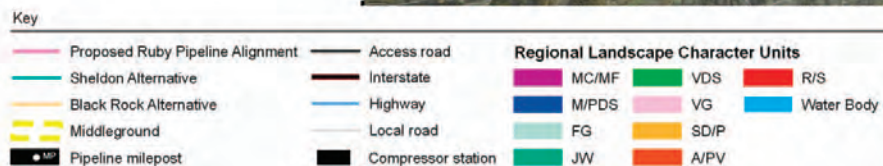
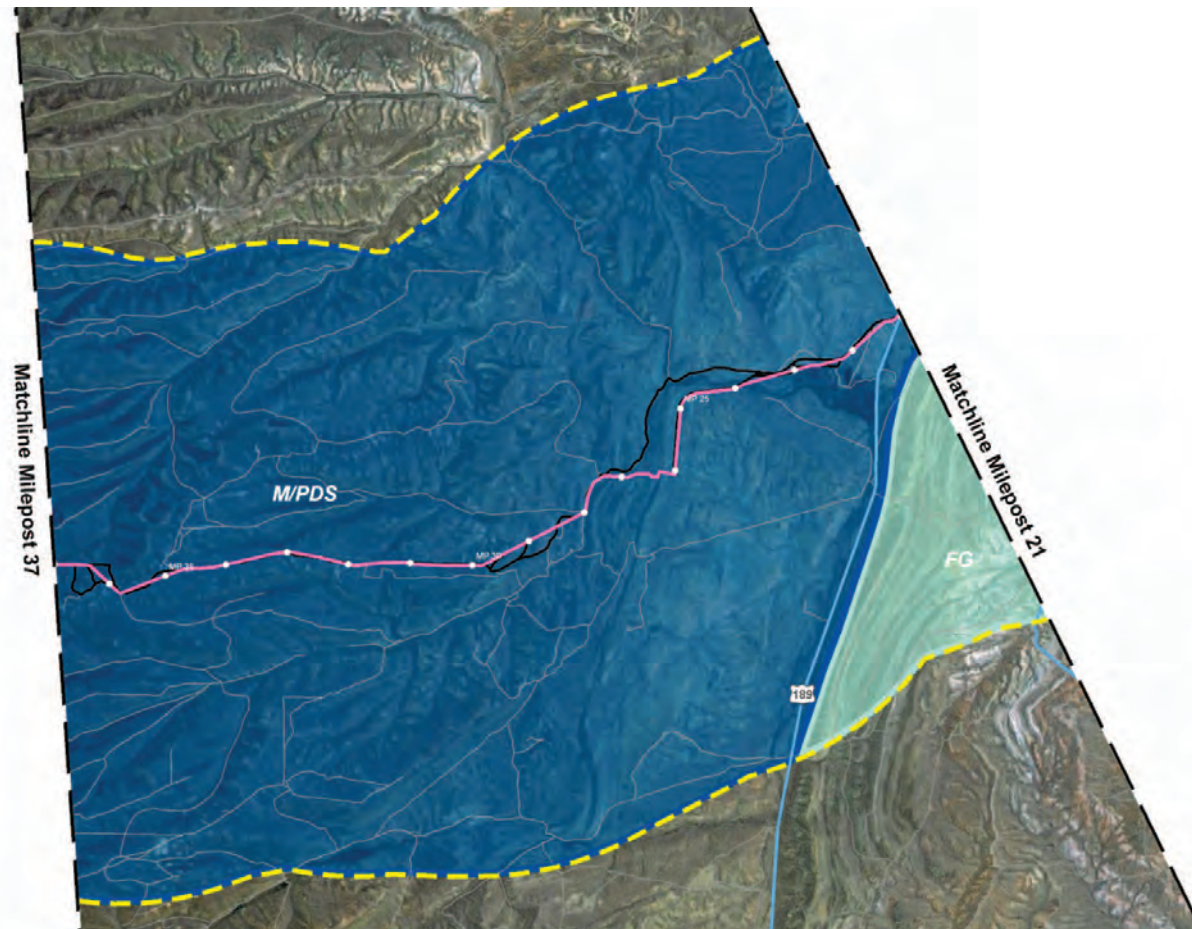


Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

Miles  
0 2  
1 inch equals 2 miles





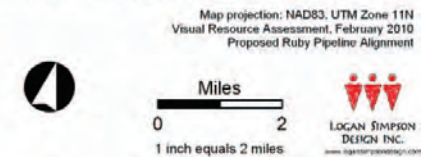
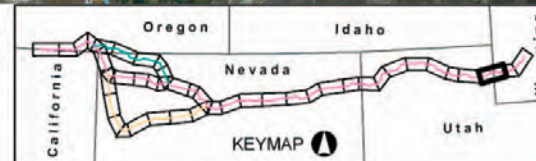
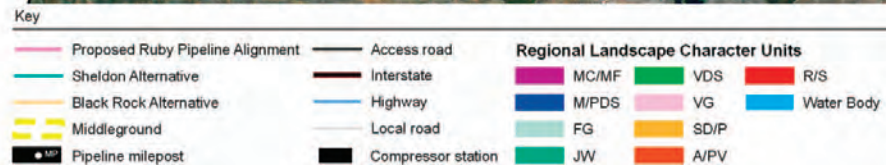
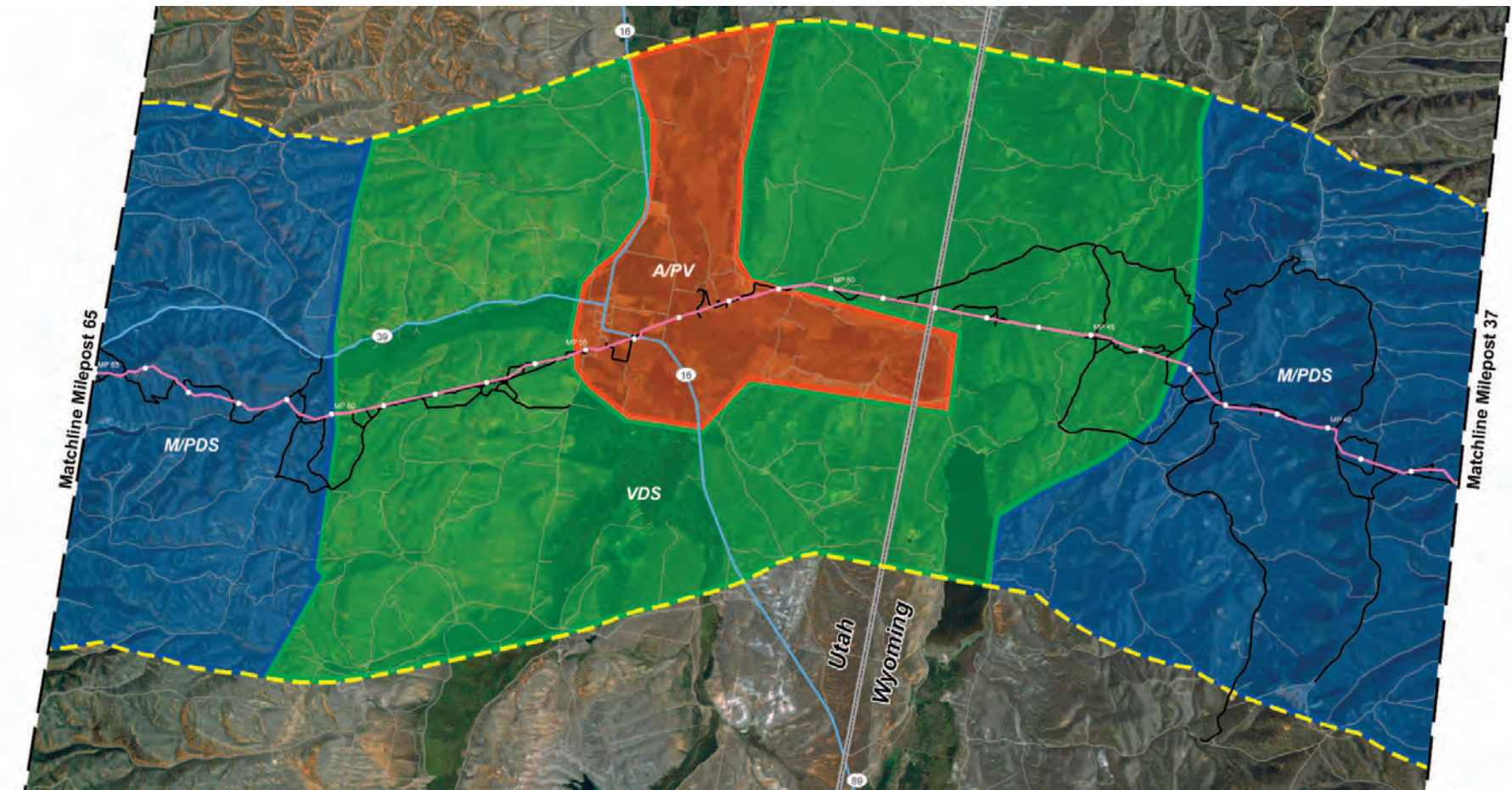


Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

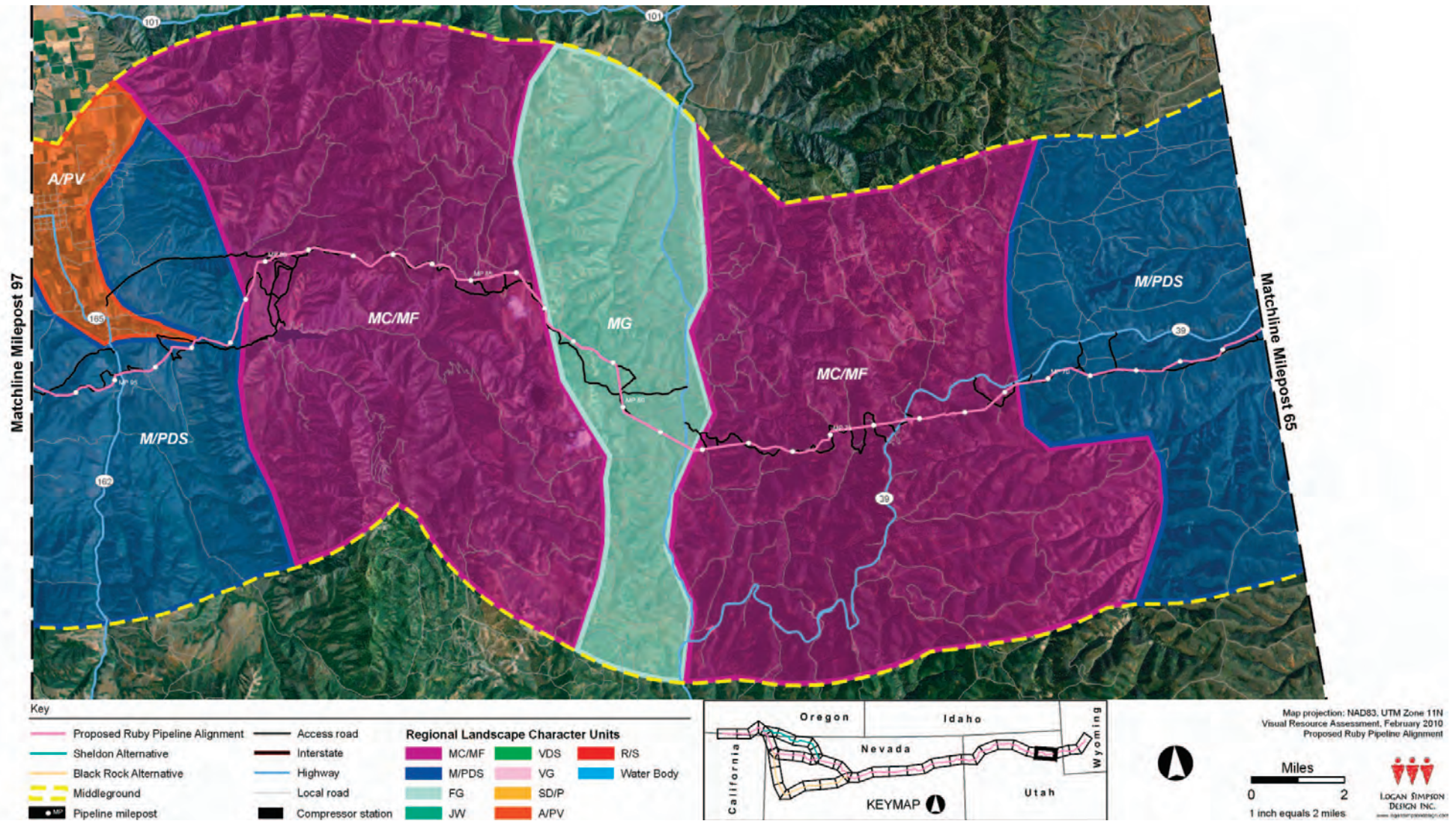


Miles  
0 2  
1 inch equals 2 miles

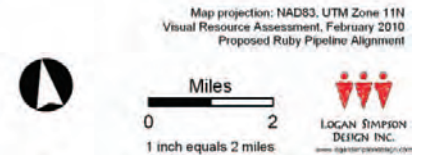
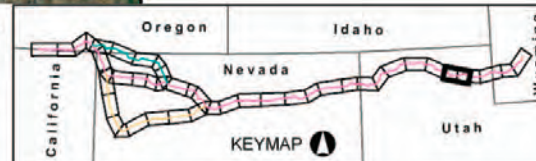
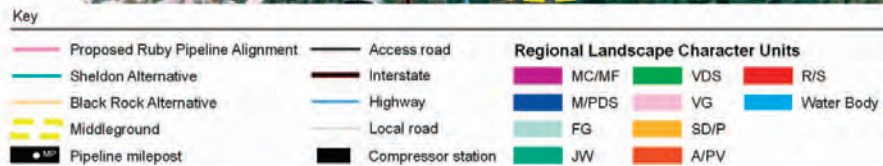
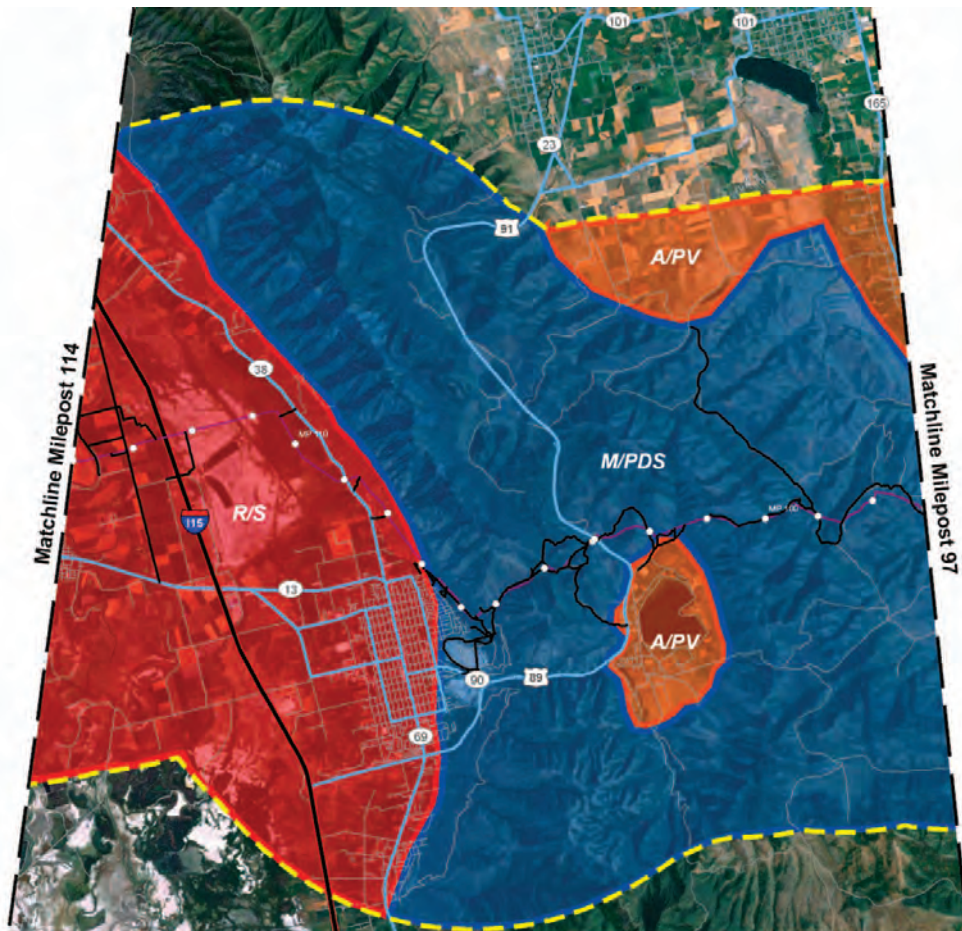




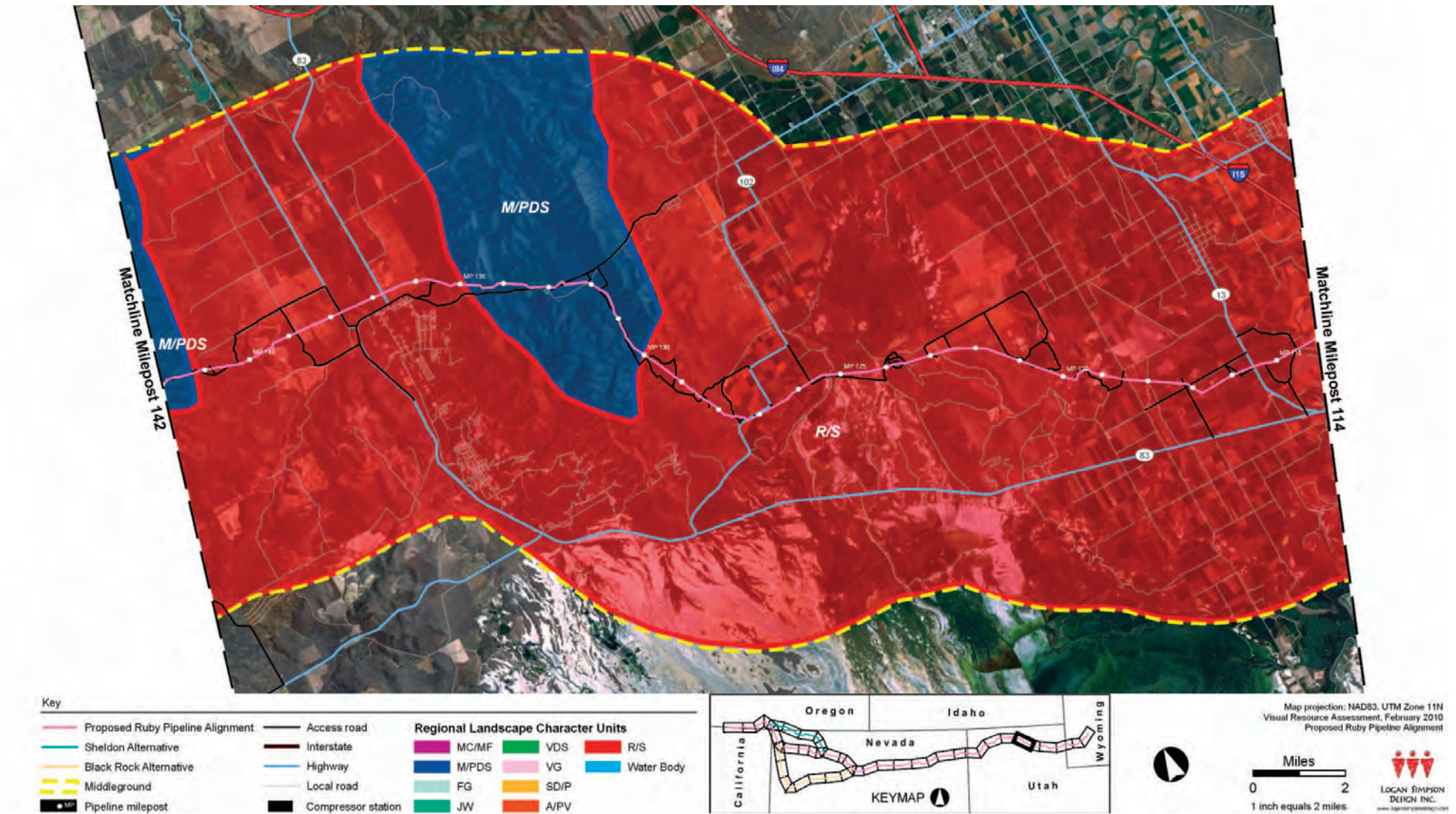




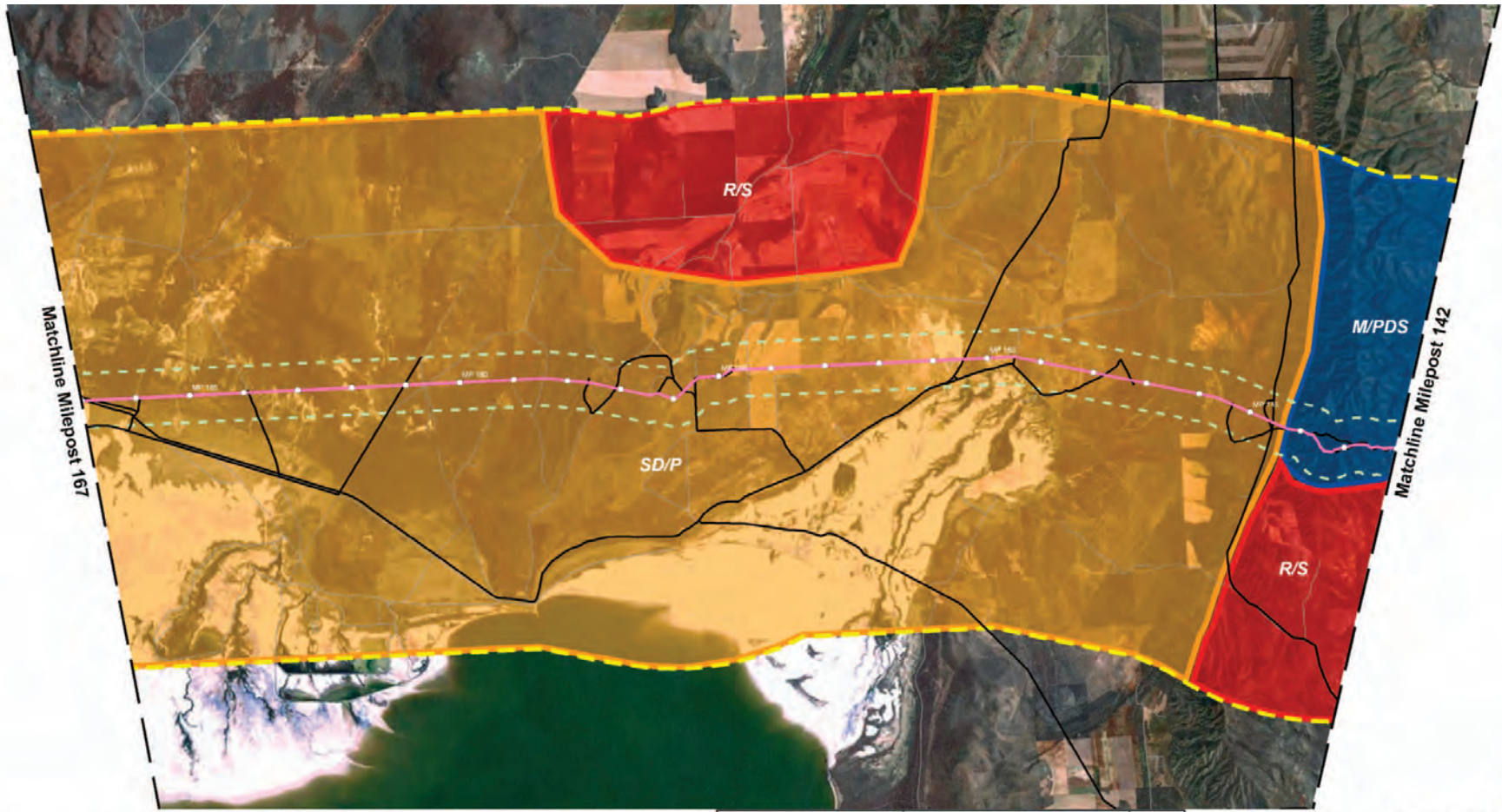












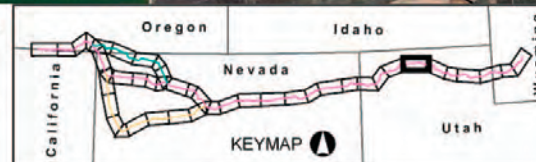
Key

- Proposed Ruby Pipeline Alignment
- Sheldon Alternative
- Black Rock Alternative
- Middleground
- Pipeline milepost

- Access road
- Interstate
- Highway
- Local road
- Compressor station

Regional Landscape Character Units

- |  |  |   |
|--|--|---|
| <span style="color: magenta;">■</span> MC/MF | <span style="color: green;">■</span> VDS   | <span style="color: red;">■</span> R/S              |
| <span style="color: blue;">■</span> M/PDS    | <span style="color: pink;">■</span> VG     | <span style="color: lightblue;">■</span> Water Body |
| <span style="color: lightgreen;">■</span> FG | <span style="color: orange;">■</span> SD/P |   |
| <span style="color: teal;">■</span> JW       | <span style="color: red;">■</span> A/PV    |   |

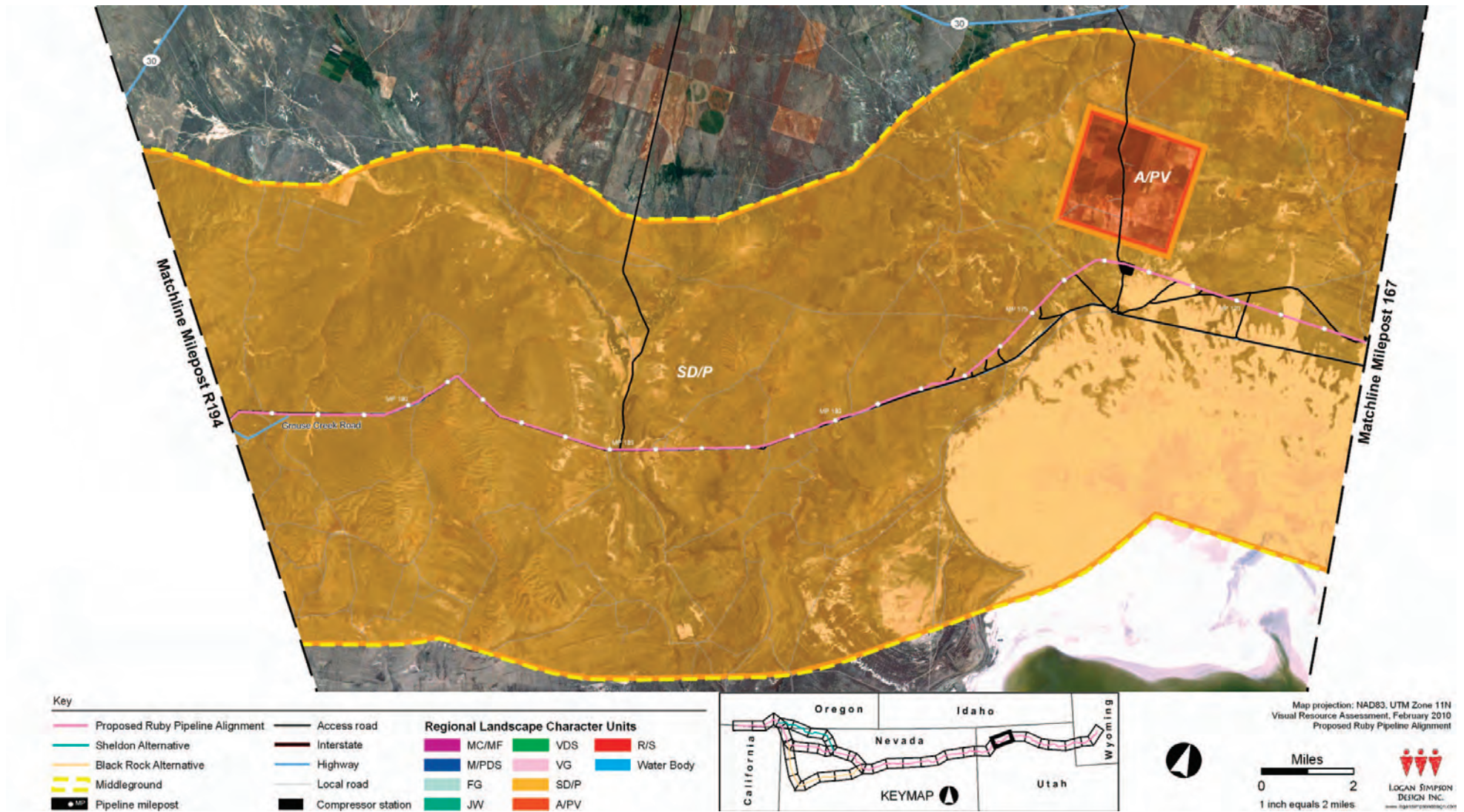


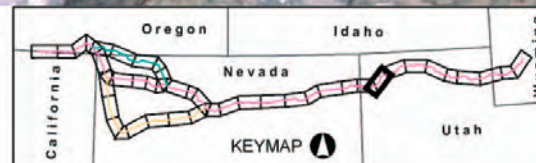
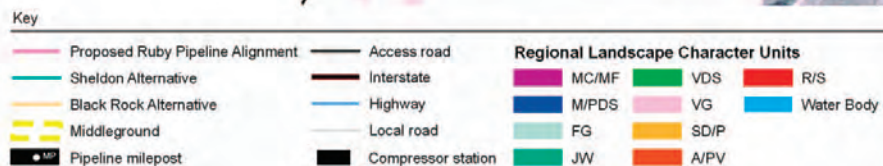
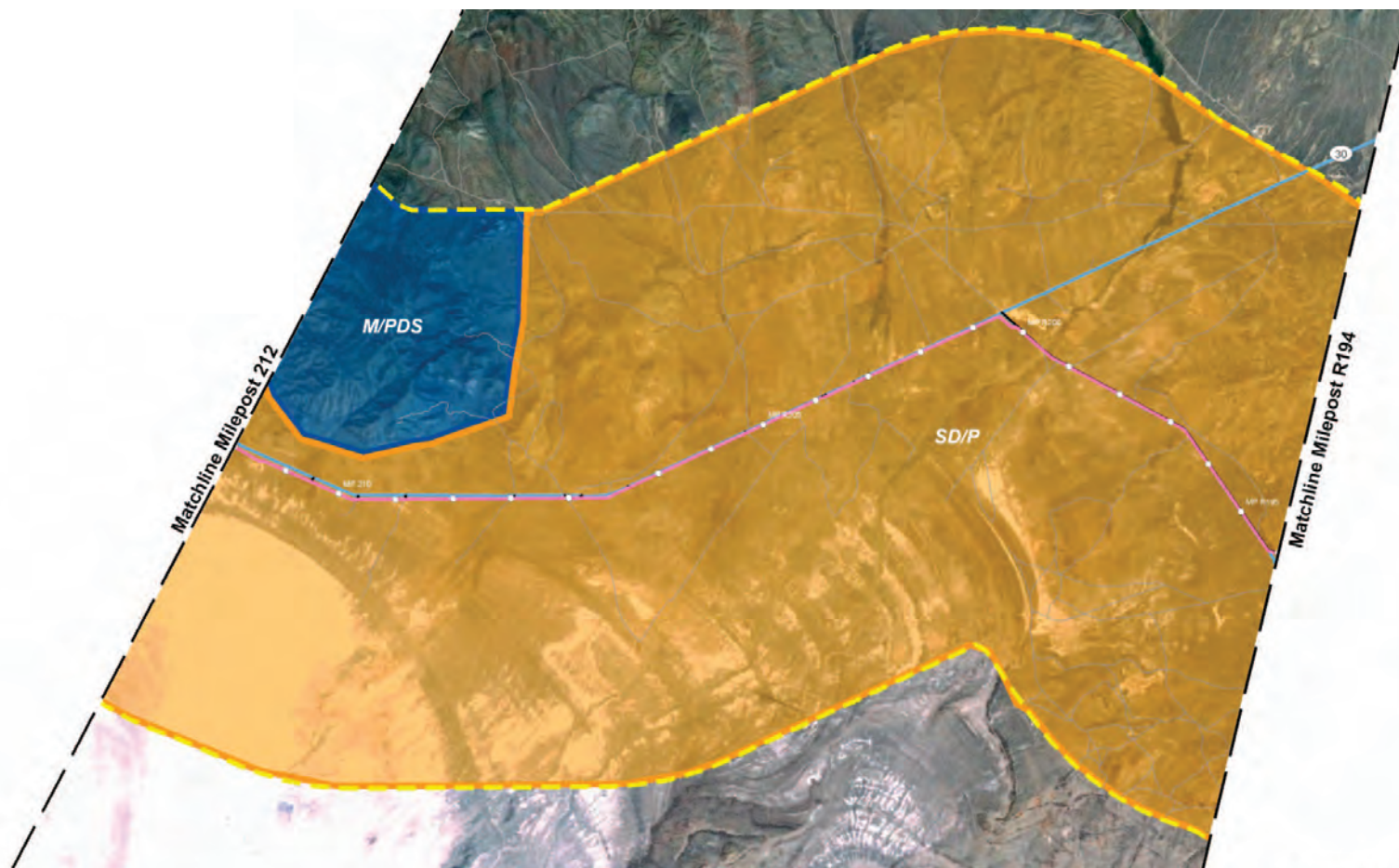
Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

Miles  
0 2  
1 inch equals 2 miles









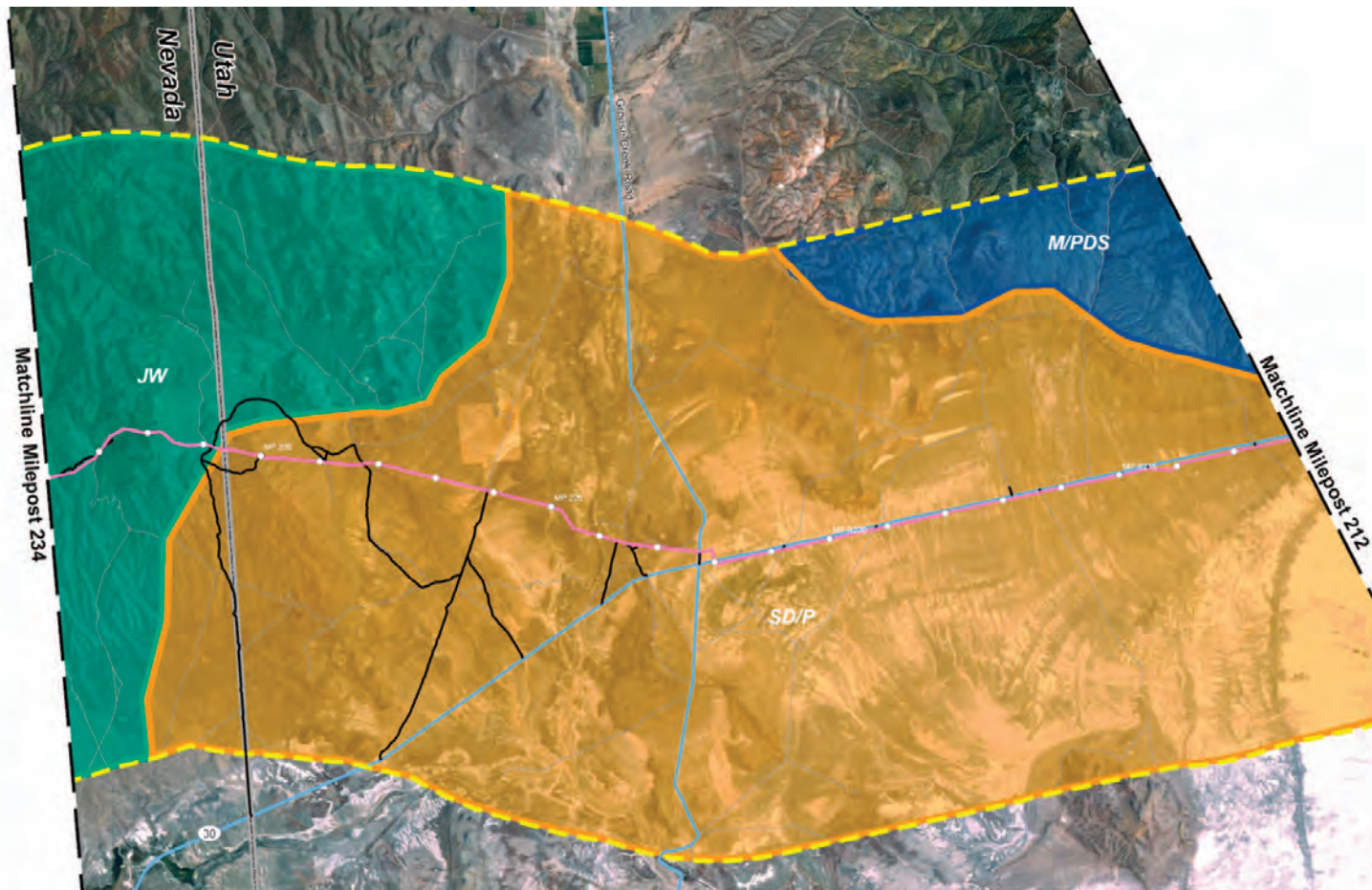
Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment



Miles  
 0 2  
 1 inch equals 2 miles

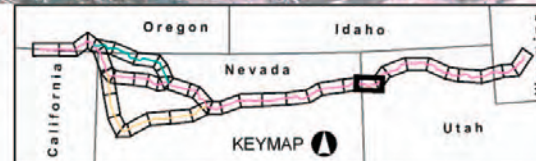






**Key**

- |                                  |                    |   |
|----------------------------------|--------------------|---|
| Proposed Ruby Pipeline Alignment | Access road        | <b>Regional Landscape Character Units</b> |
| Sheldon Alternative              | Interstate         | MC/MF                                     |
| Black Rock Alternative           | Highway            | M/PDS                                     |
| Middleground                     | Local road         | FG  |
| Pipeline milepost                | Compressor station | JW  |
|                                  |                    | VDS                                       |
|                                  |                    | VG  |
|                                  |                    | SD/P                                      |
|                                  |                    | A/PV                                      |
|                                  |                    | R/S                                       |
|                                  |                    | Water Body                                |

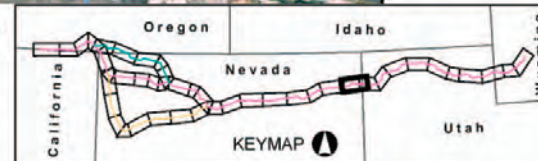
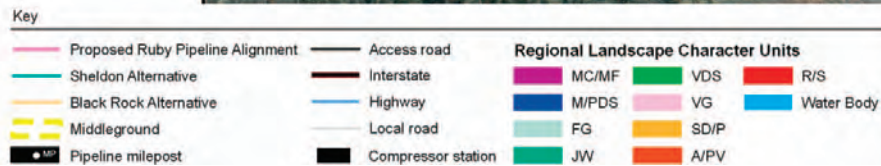
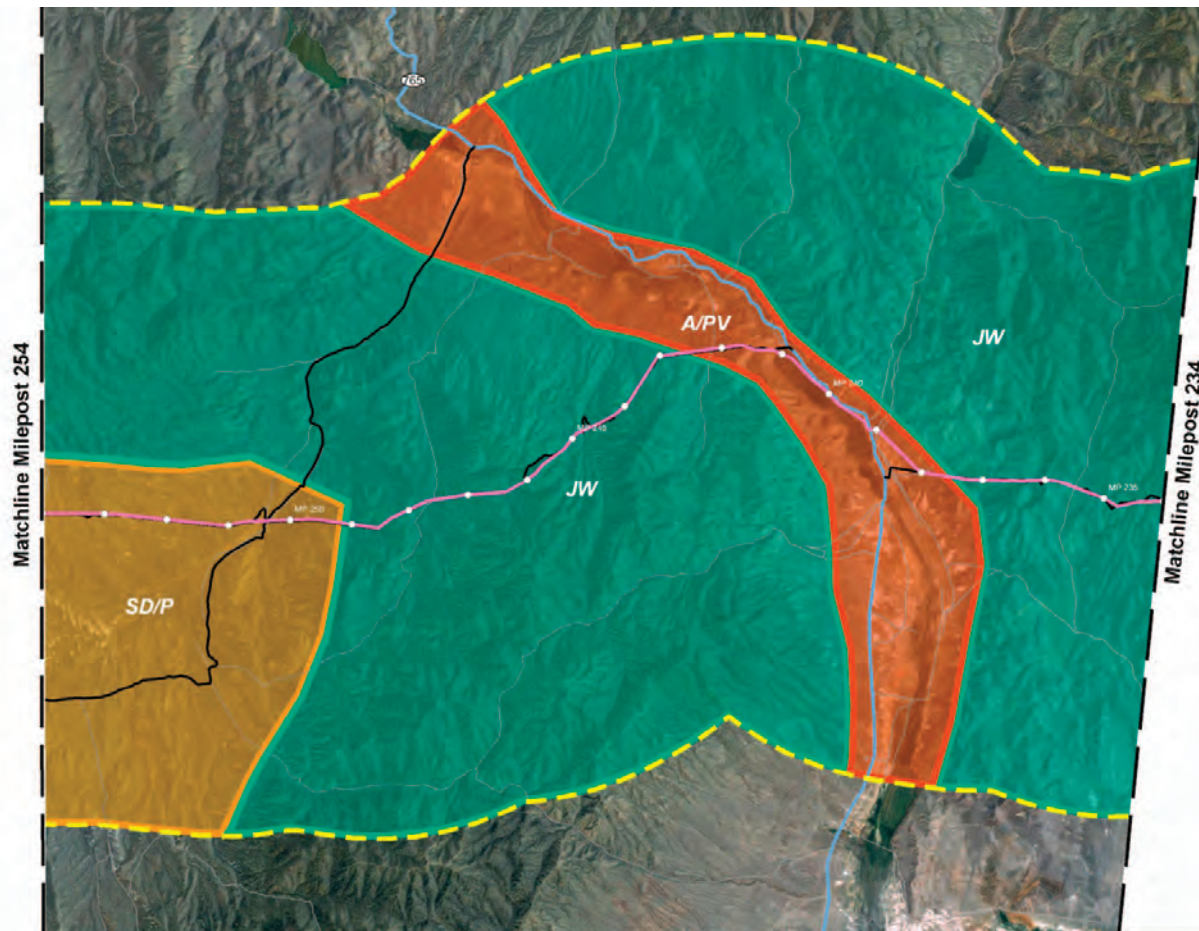


Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

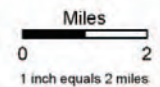
Miles  
0 2  
1 inch equals 2 miles

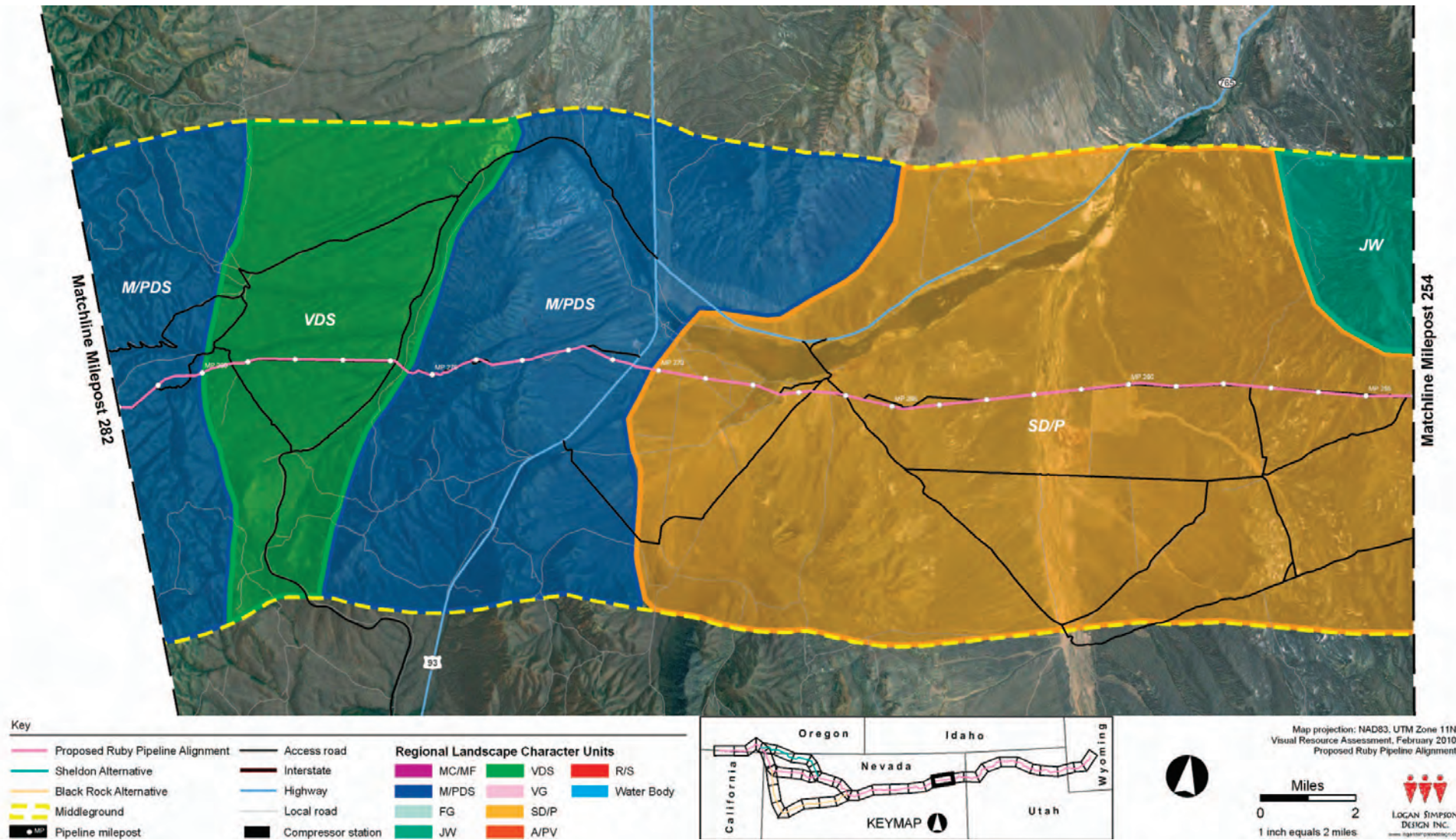




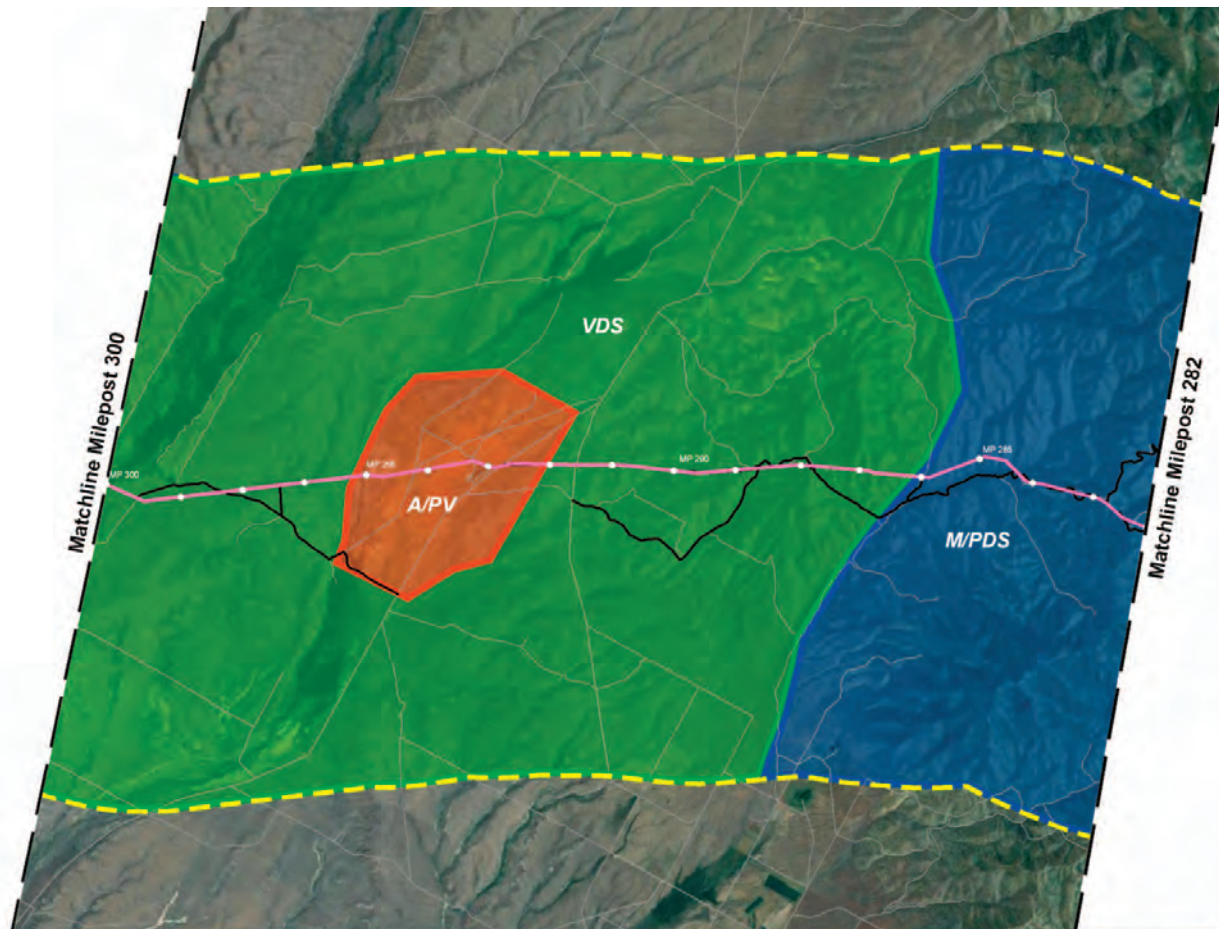


Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment



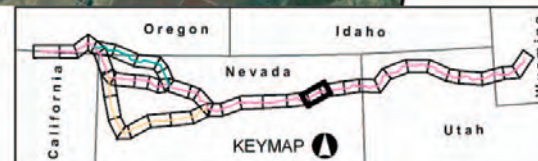






**Key**

- |                                  |                    |   |
|----------------------------------|--------------------|---|
| Proposed Ruby Pipeline Alignment | Access road        | <b>Regional Landscape Character Units</b> |
| Sheldon Alternative              | Interstate         | MC/MF                                     |
| Black Rock Alternative           | Highway            | M/PDS                                     |
| Middleground                     | Local road         | FG  |
| Pipeline milepost                | Compressor station | JW  |
|                                  |                    | VDS                                       |
|                                  |                    | VG  |
|                                  |                    | SD/P                                      |
|                                  |                    | A/PV                                      |
|                                  |                    | R/S                                       |
|                                  |                    | Water Body                                |

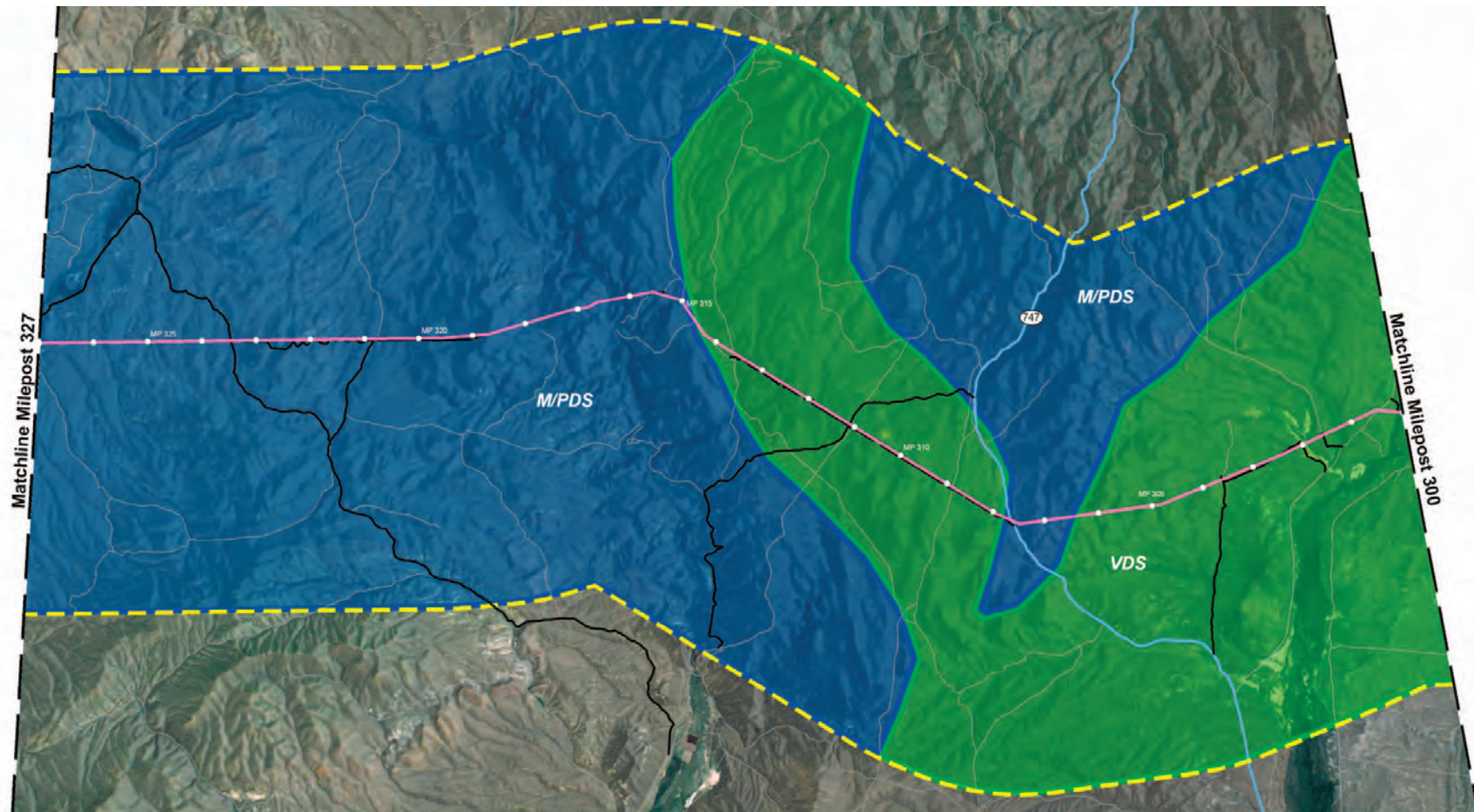


Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment

**Miles**  
 0 2  
 1 inch equals 2 miles

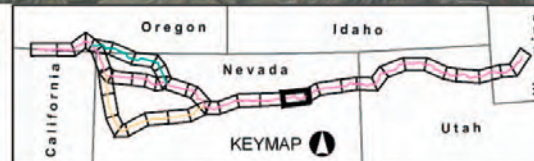
**LOGAN SIMPSON  
 DESIGN INC.**  
[www.logansimpsondesign.com](http://www.logansimpsondesign.com)





**Key**

- |                                  |                    |   |      |            |  |
|----------------------------------|--------------------|---|------|------------|--|
| Proposed Ruby Pipeline Alignment | Access road        | <b>Regional Landscape Character Units</b> |      |            |  |
| Sheldon Alternative              | Interstate         | MC/MF                                     | VDS  | R/S        |  |
| Black Rock Alternative           | Highway            | M/PDS                                     | VG   | Water Body |  |
| Middleground                     | Local road         | FG  | SD/P |            |  |
| Pipeline milepost                | Compressor station | JW  | A/PV |            |  |

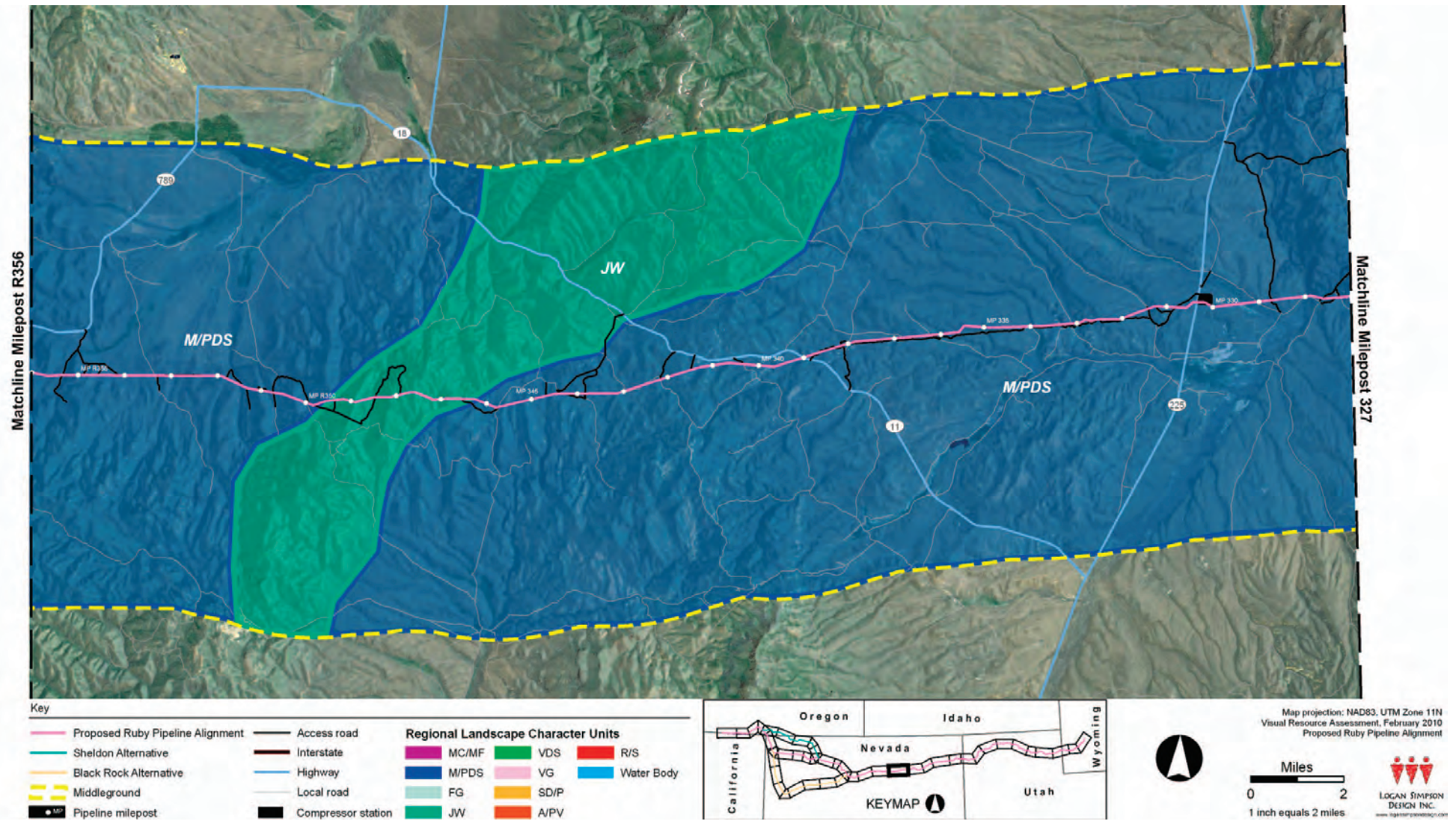


Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

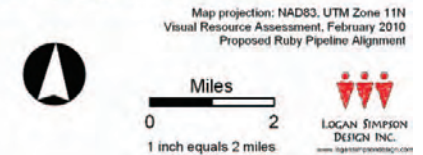
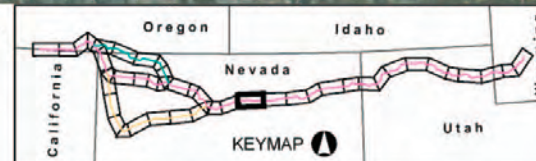
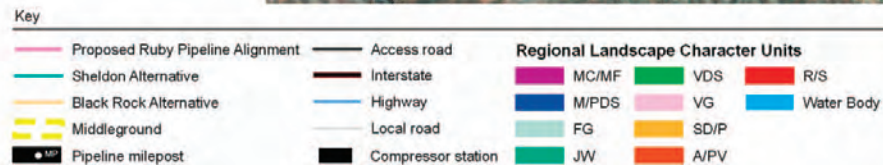
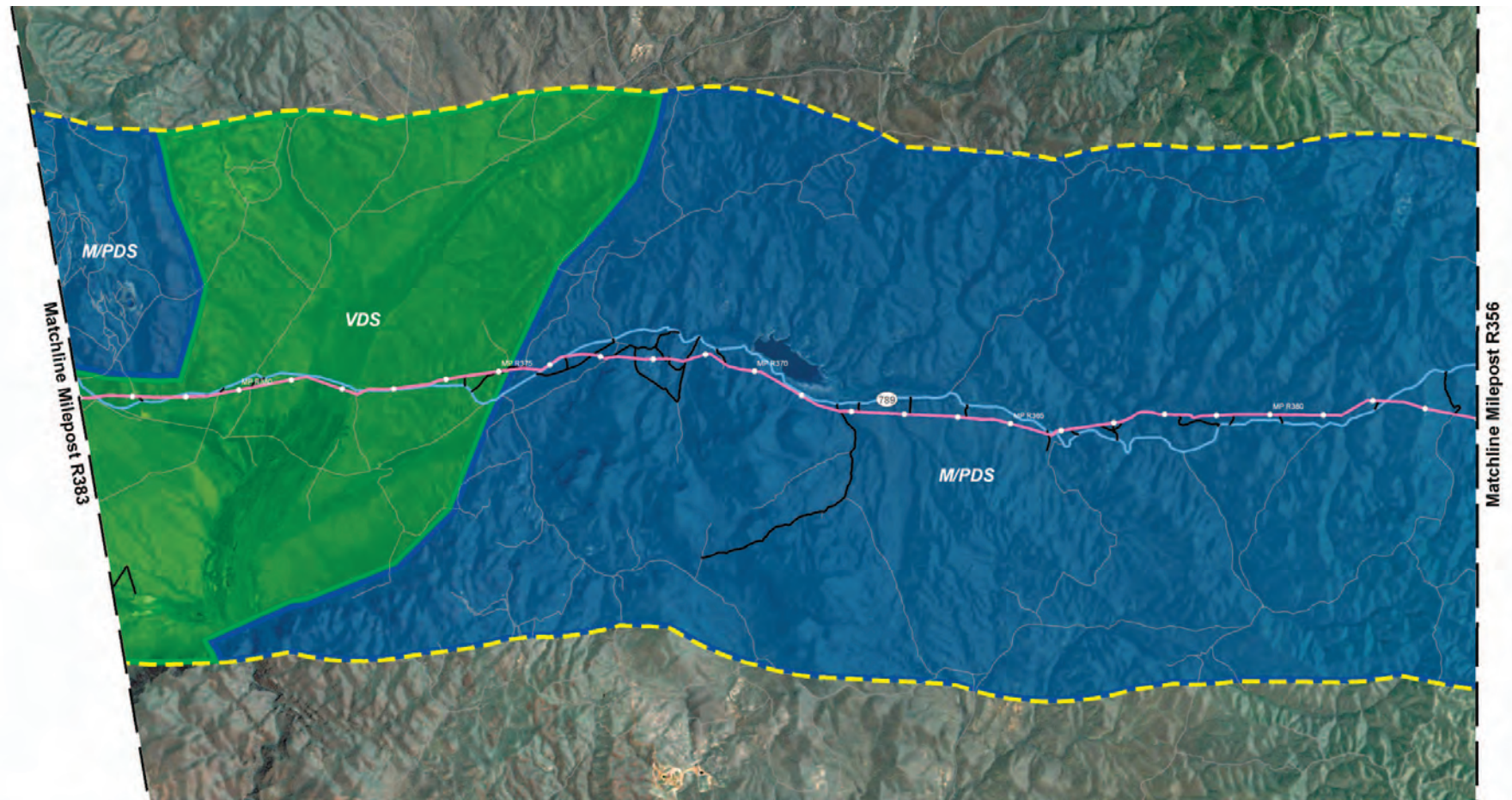
Miles  
0 2  
1 inch equals 2 miles



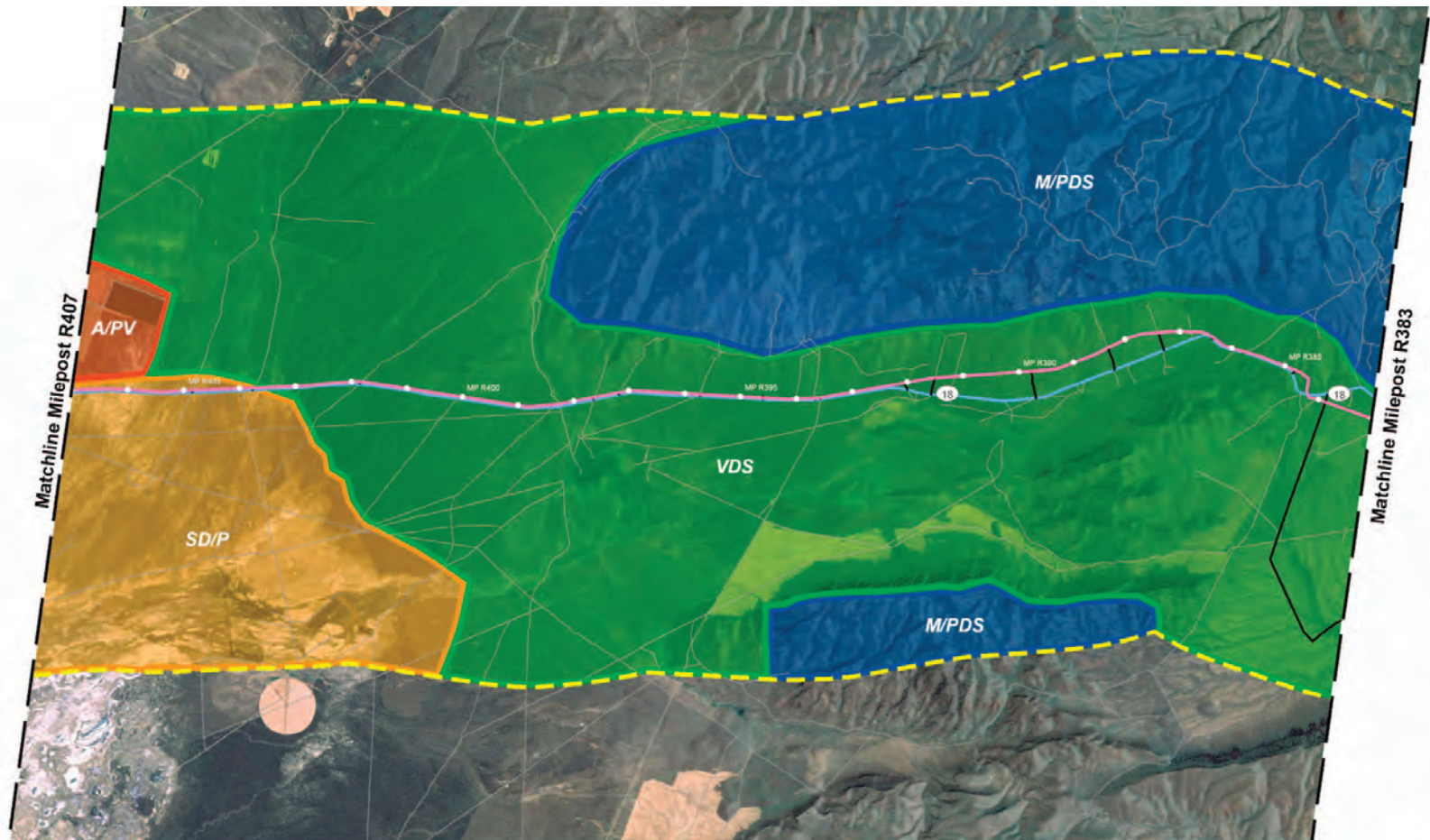






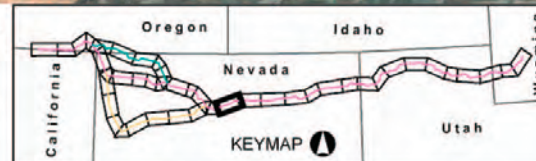






Key

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>Proposed Ruby Pipeline Alignment</li> <li>Sheldon Alternative</li> <li>Black Rock Alternative</li> <li>Middleground</li> <li>Pipeline milepost</li> </ul> | <ul style="list-style-type: none"> <li>Access road</li> <li>Interstate</li> <li>Highway</li> <li>Local road</li> <li>Compressor station</li> </ul> | <p><b>Regional Landscape Character Units</b></p> <ul style="list-style-type: none"> <li>MC/MF</li> <li>M/PDS</li> <li>FG</li> <li>JW</li> <li>VDS</li> <li>VG</li> <li>SD/P</li> <li>A/PV</li> <li>R/S</li> <li>Water Body</li> </ul> |
|--|--|---|



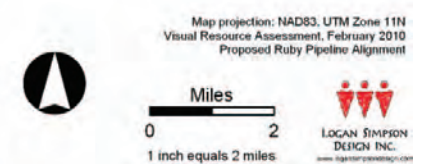
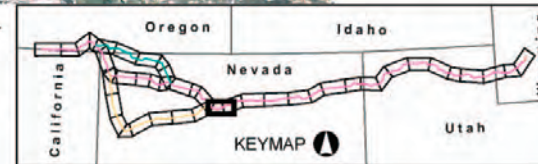
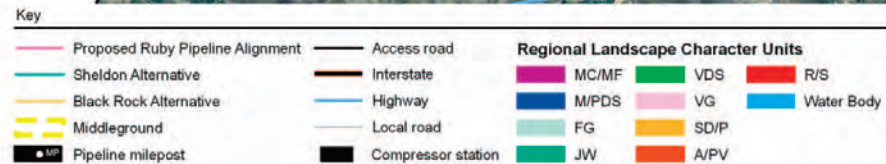
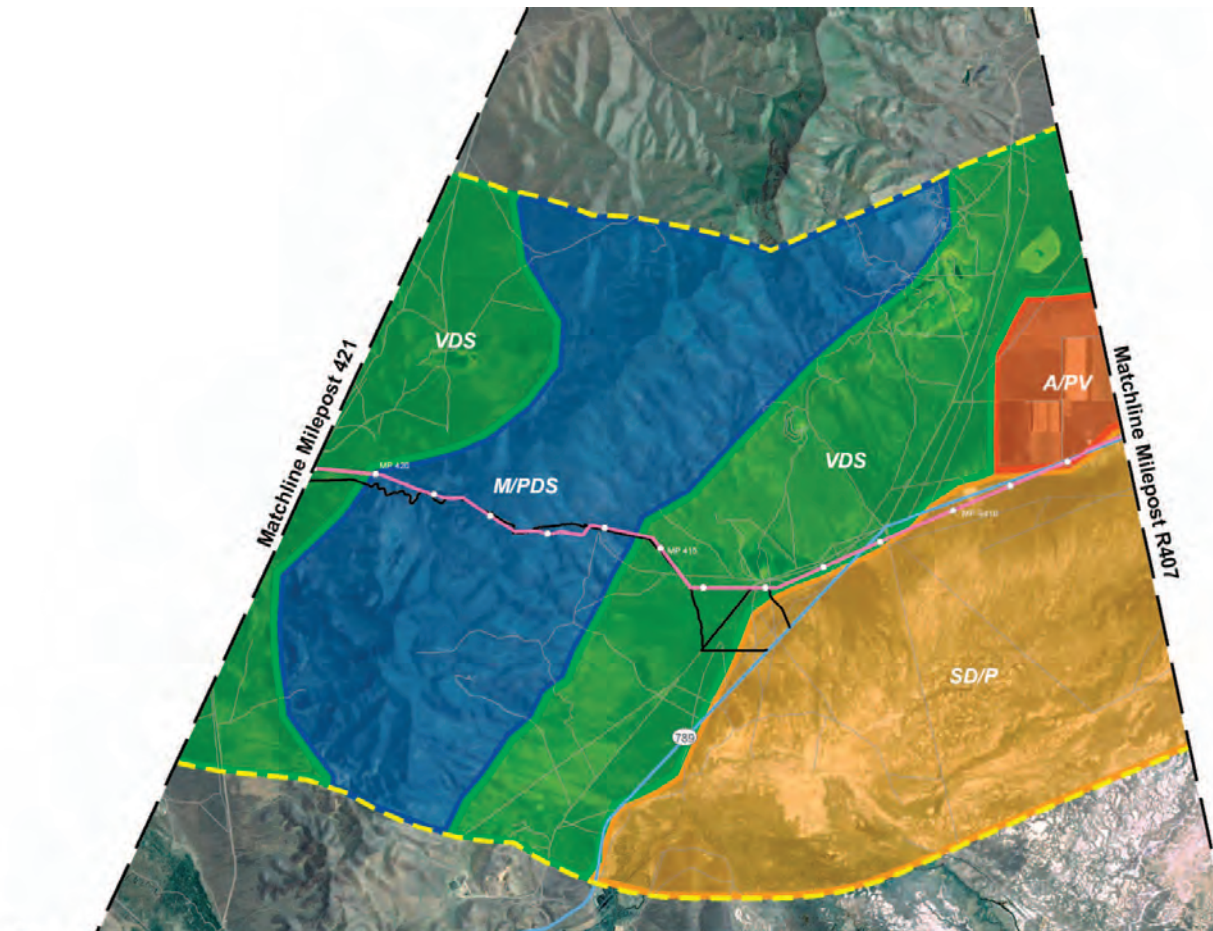
Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

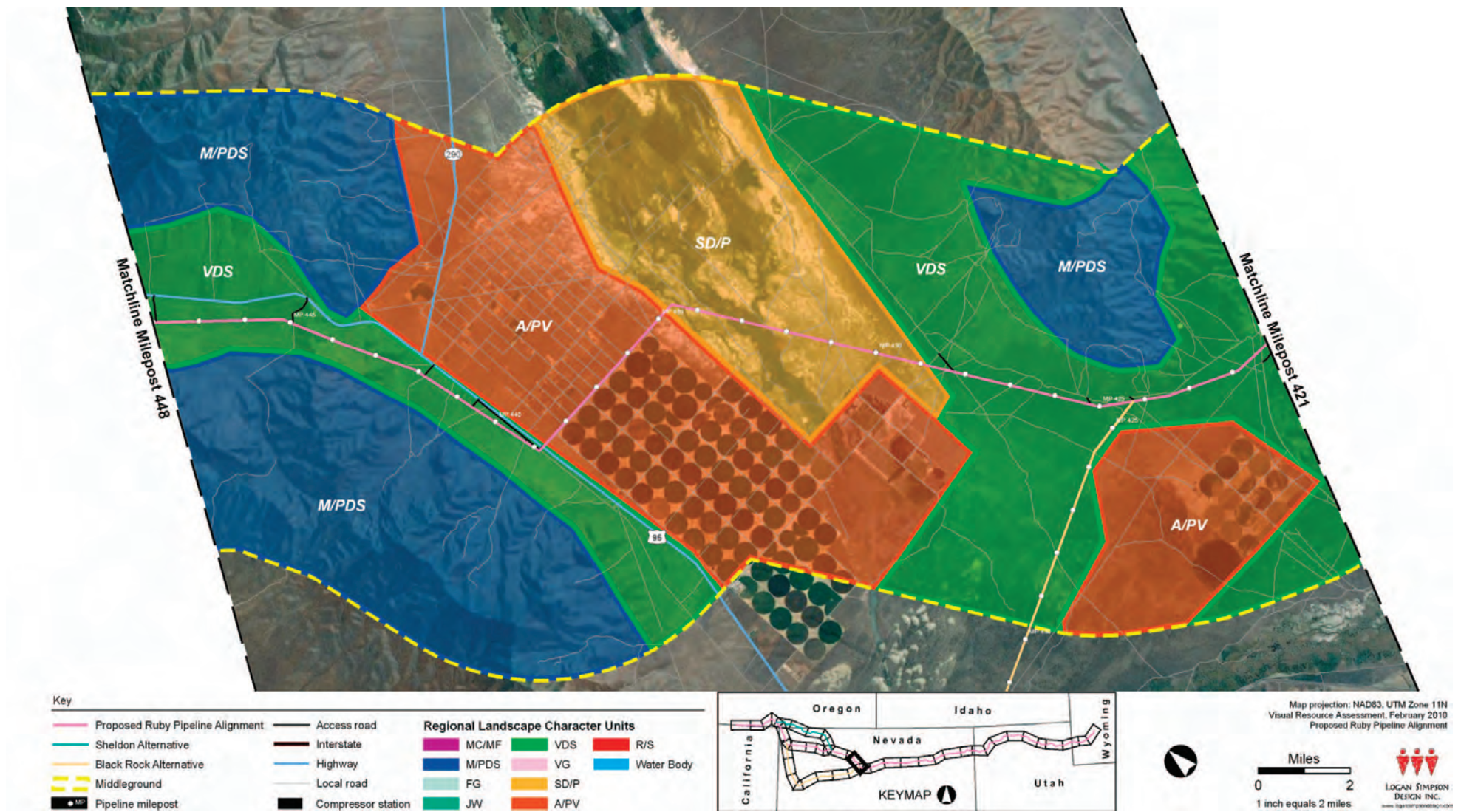


Miles  
0 2  
1 inch equals 2 miles

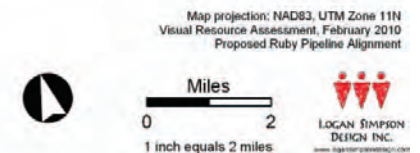
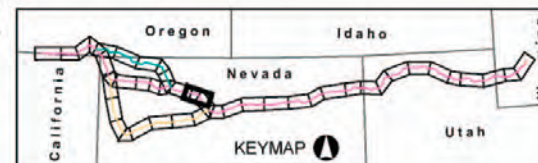
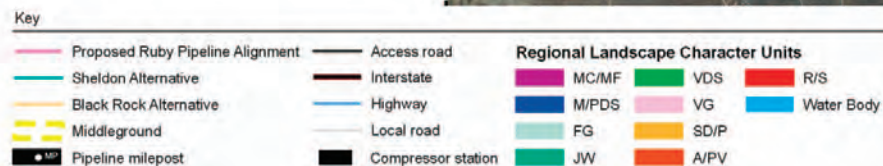
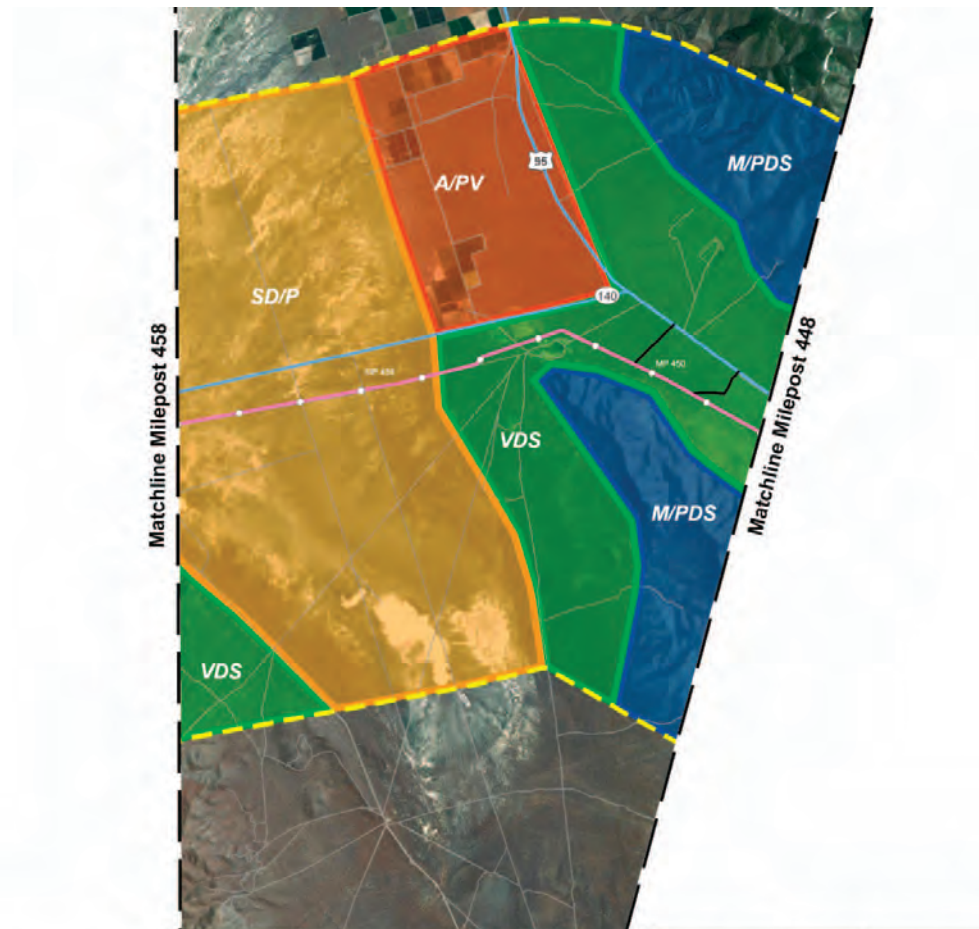


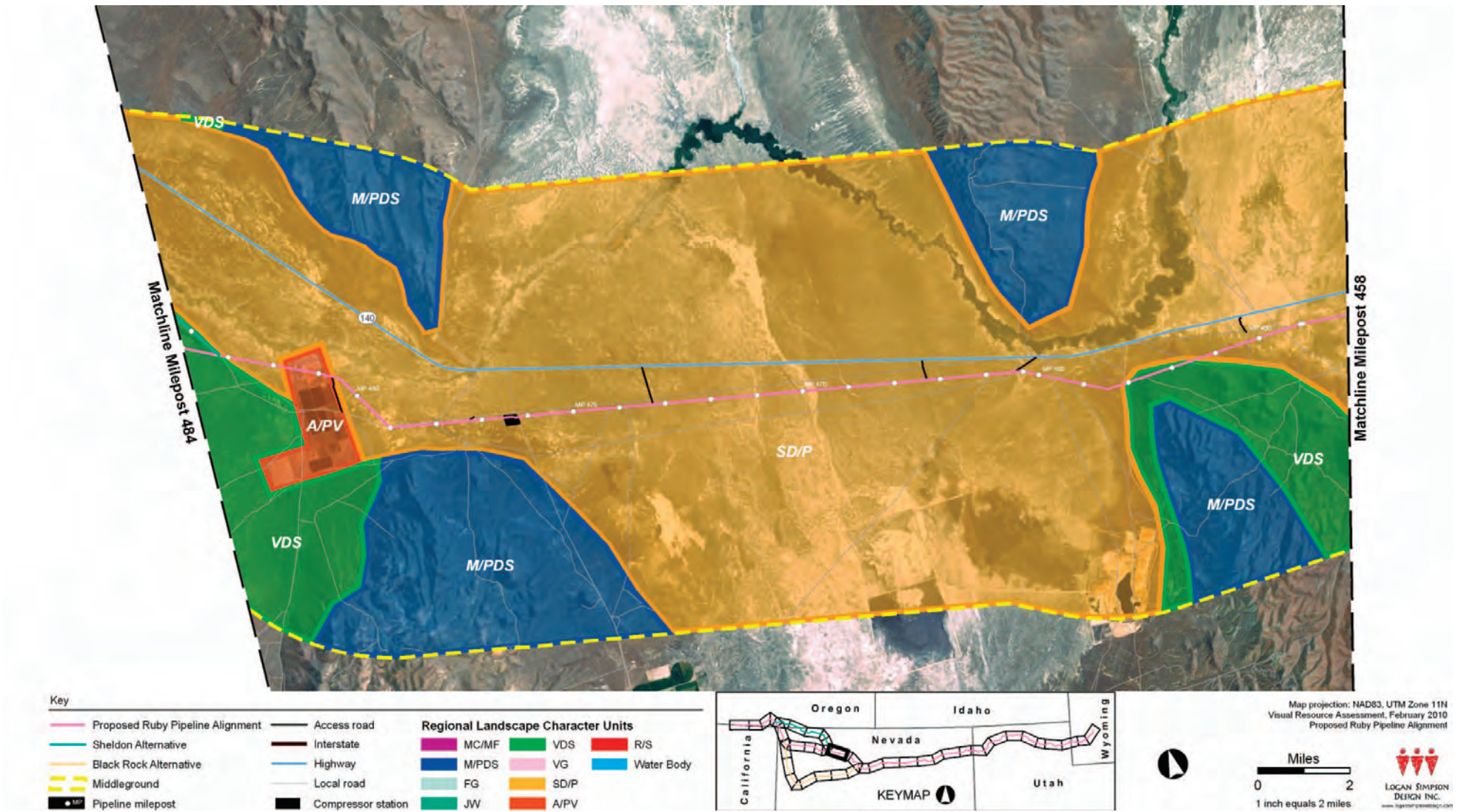




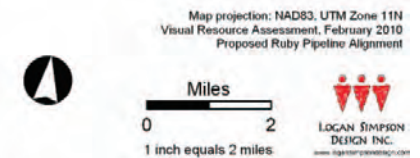
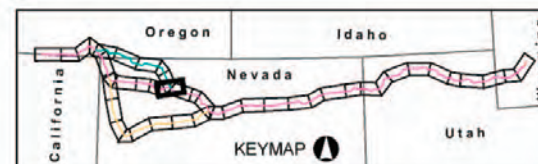
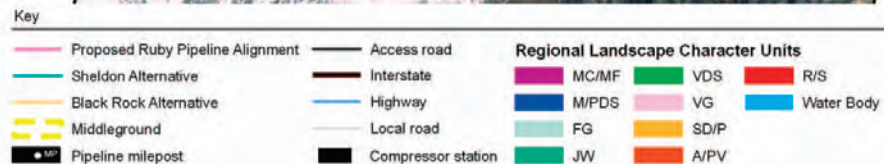
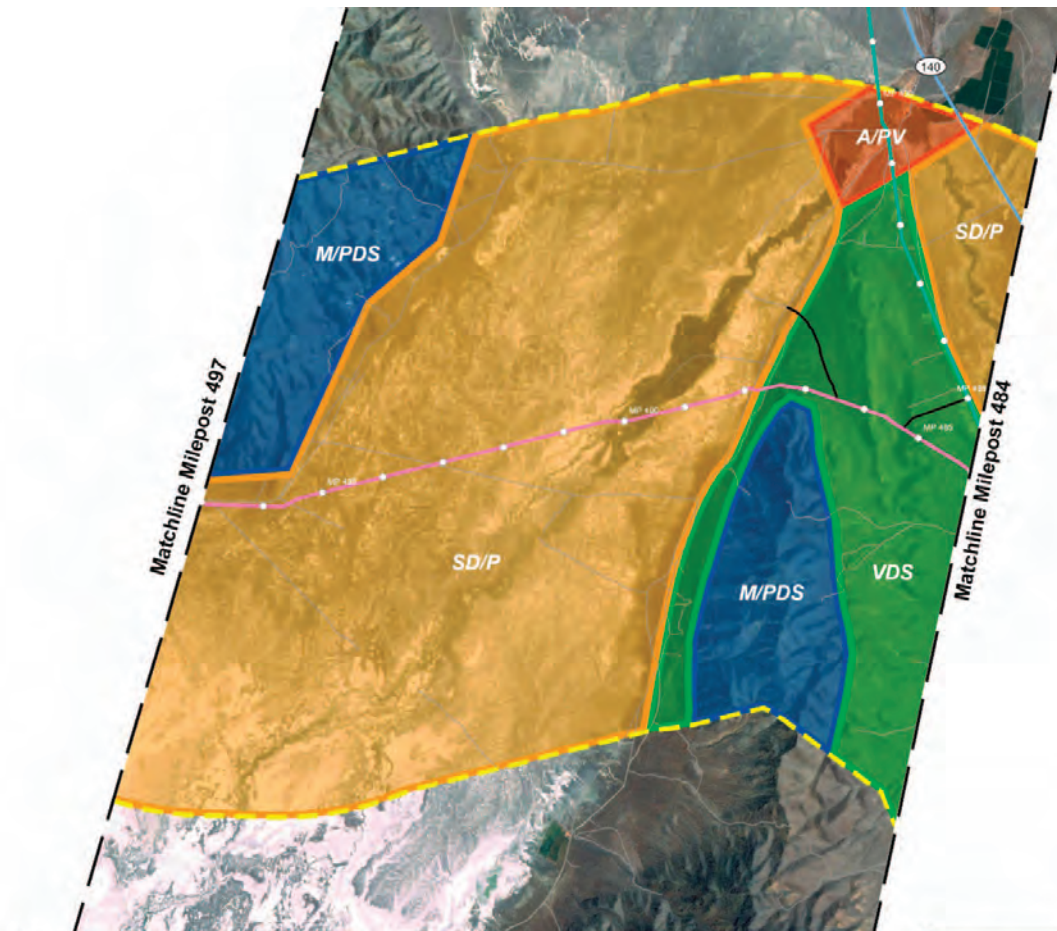


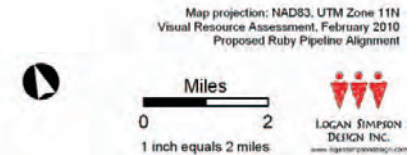
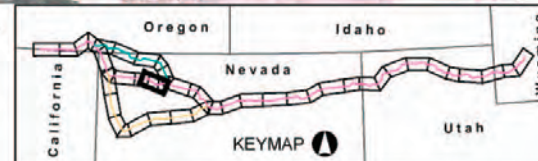
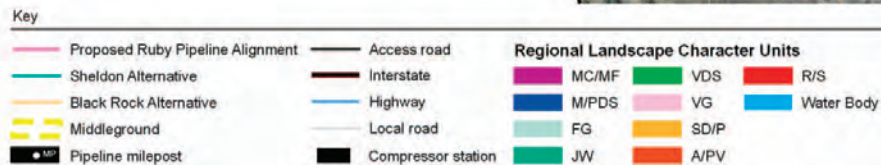
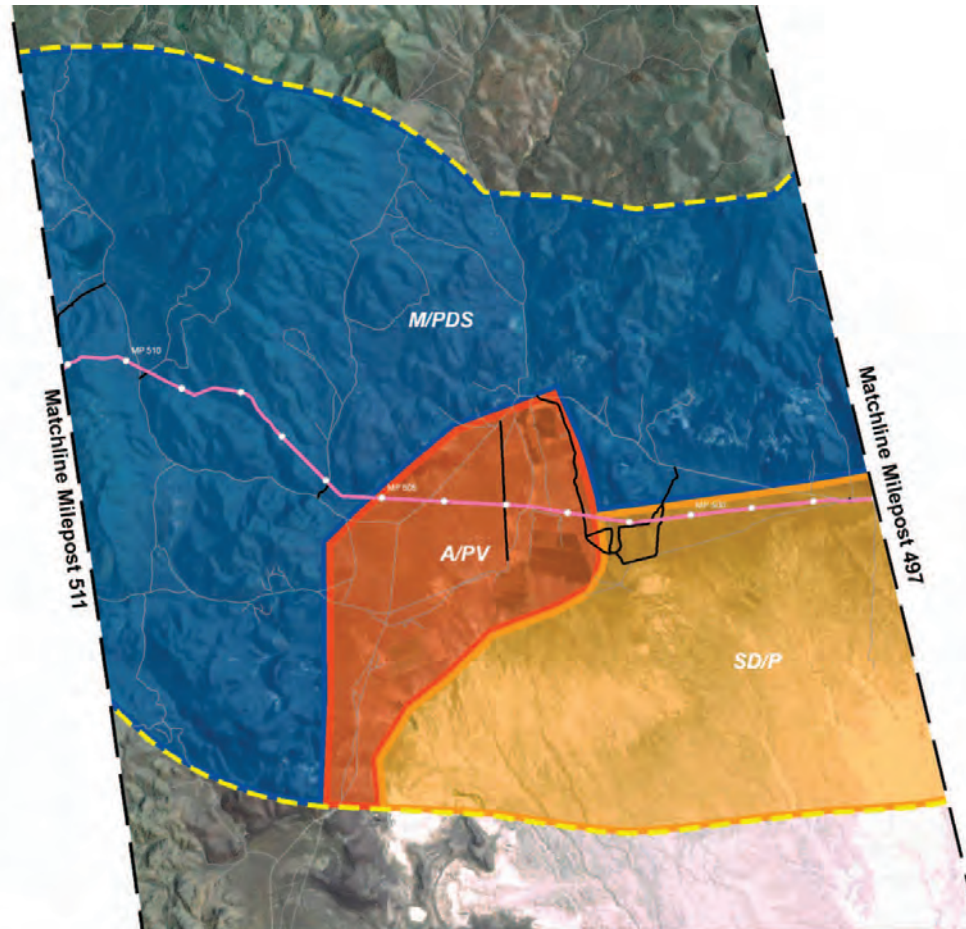




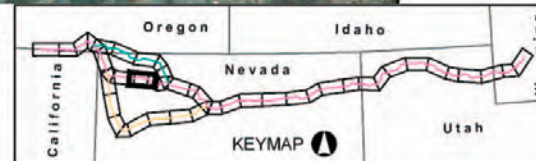
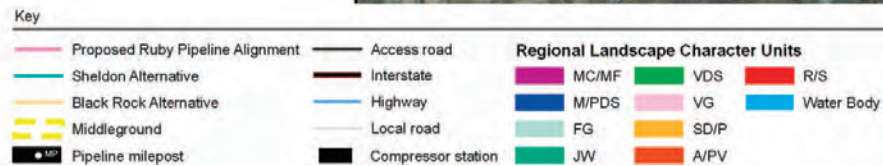
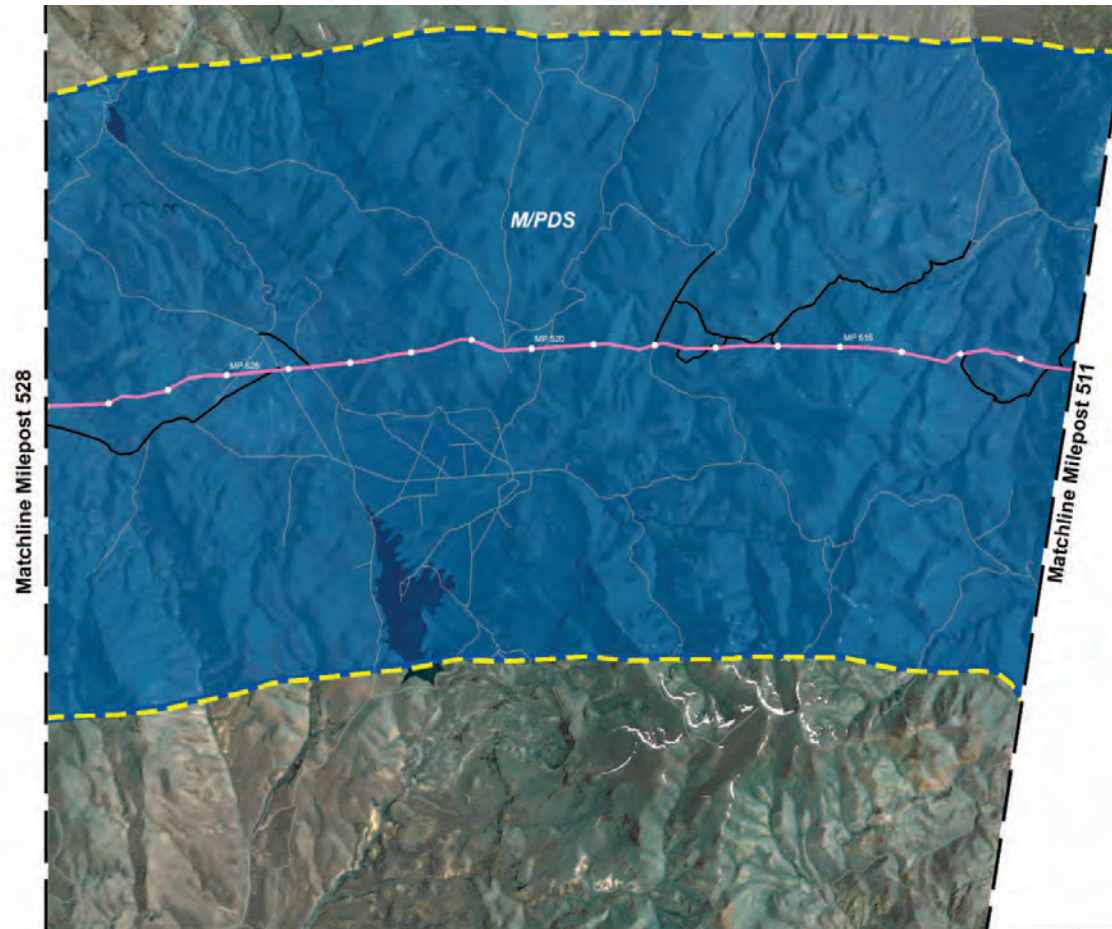




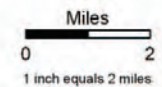


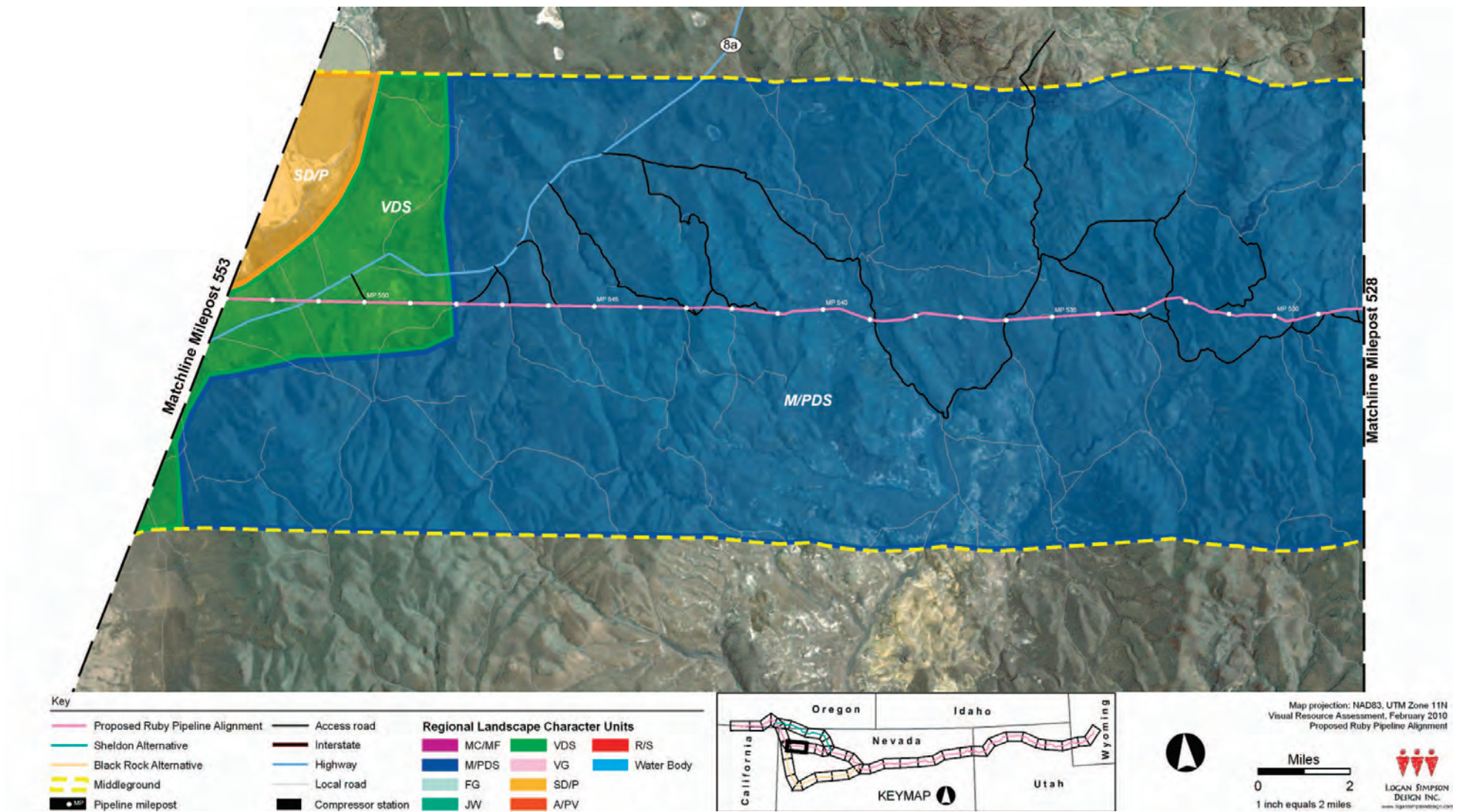




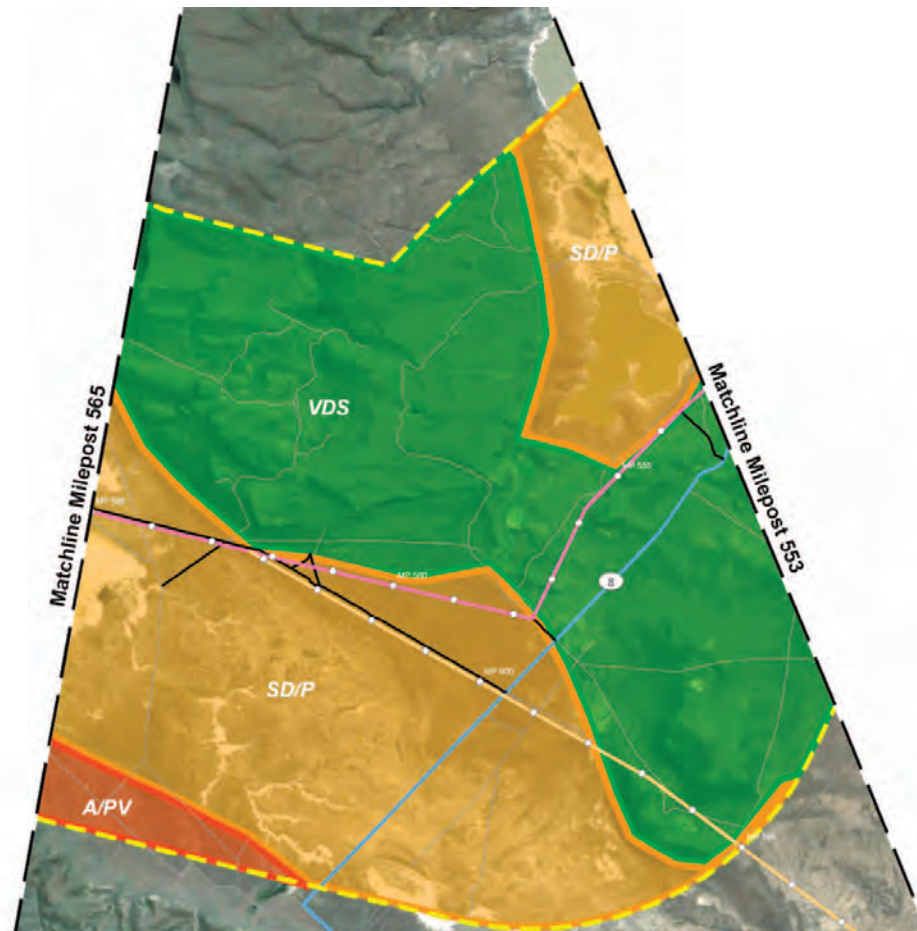


Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment









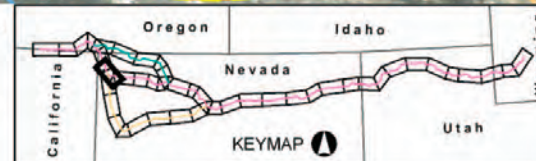
**Key**

- Proposed Ruby Pipeline Alignment
- Sheldon Alternative
- Black Rock Alternative
- Middleground
- Pipeline milepost

- Access road
- Interstate
- Highway
- Local road
- Compressor station

**Regional Landscape Character Units**

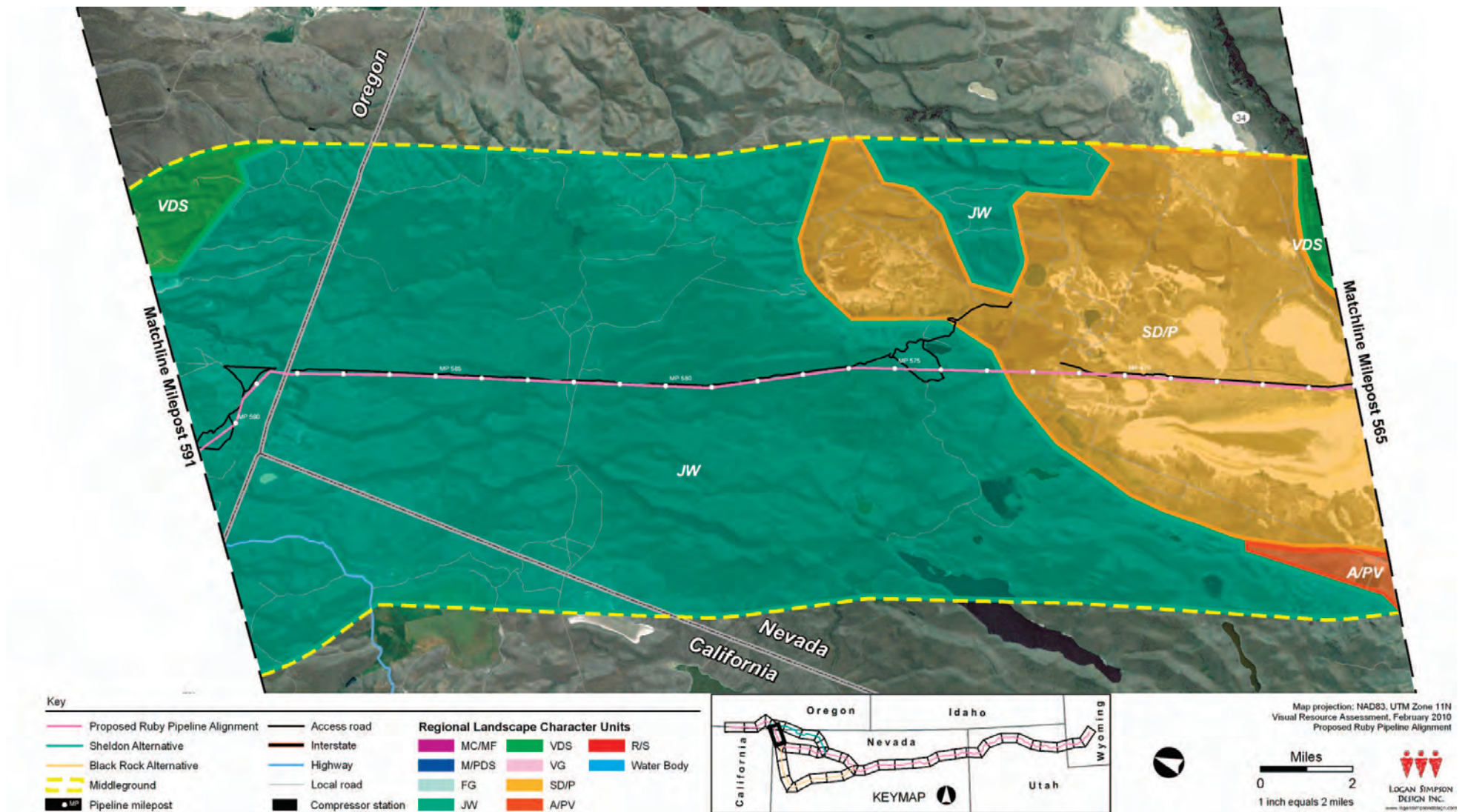
- |       |      |            |
|-------|------|------------|
| MC/MF | VDS  | R/S        |
| M/PDS | VG   | Water Body |
| FG    | SD/P |            |
| JW    | A/PV |            |



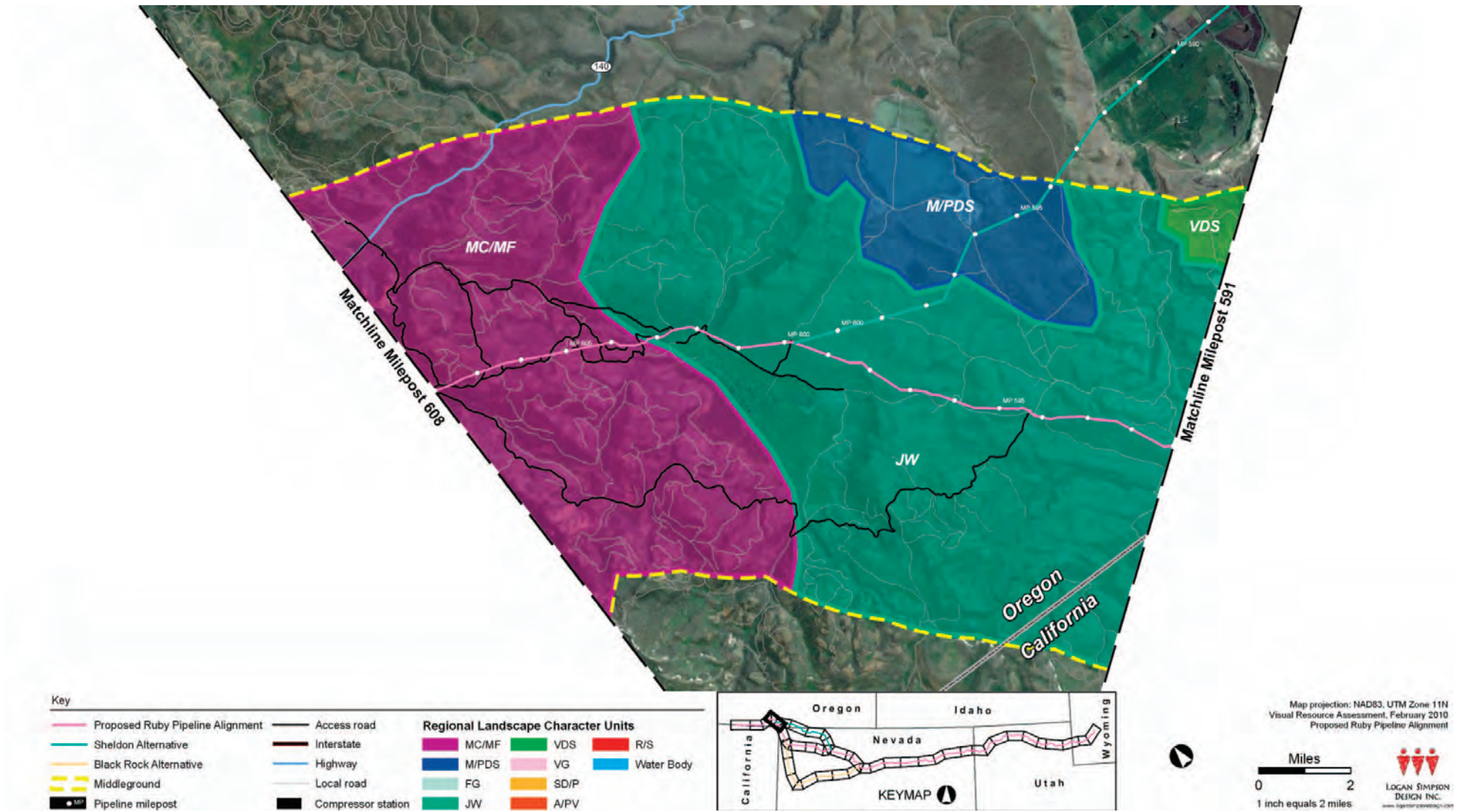
Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

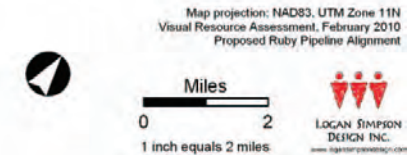
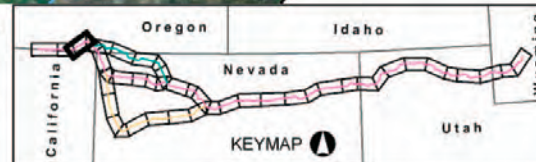
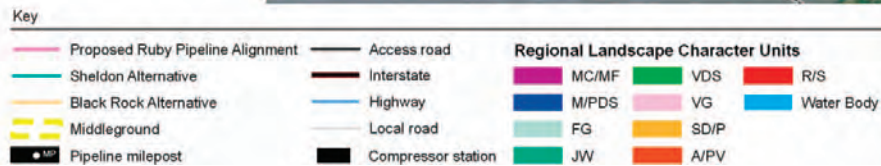
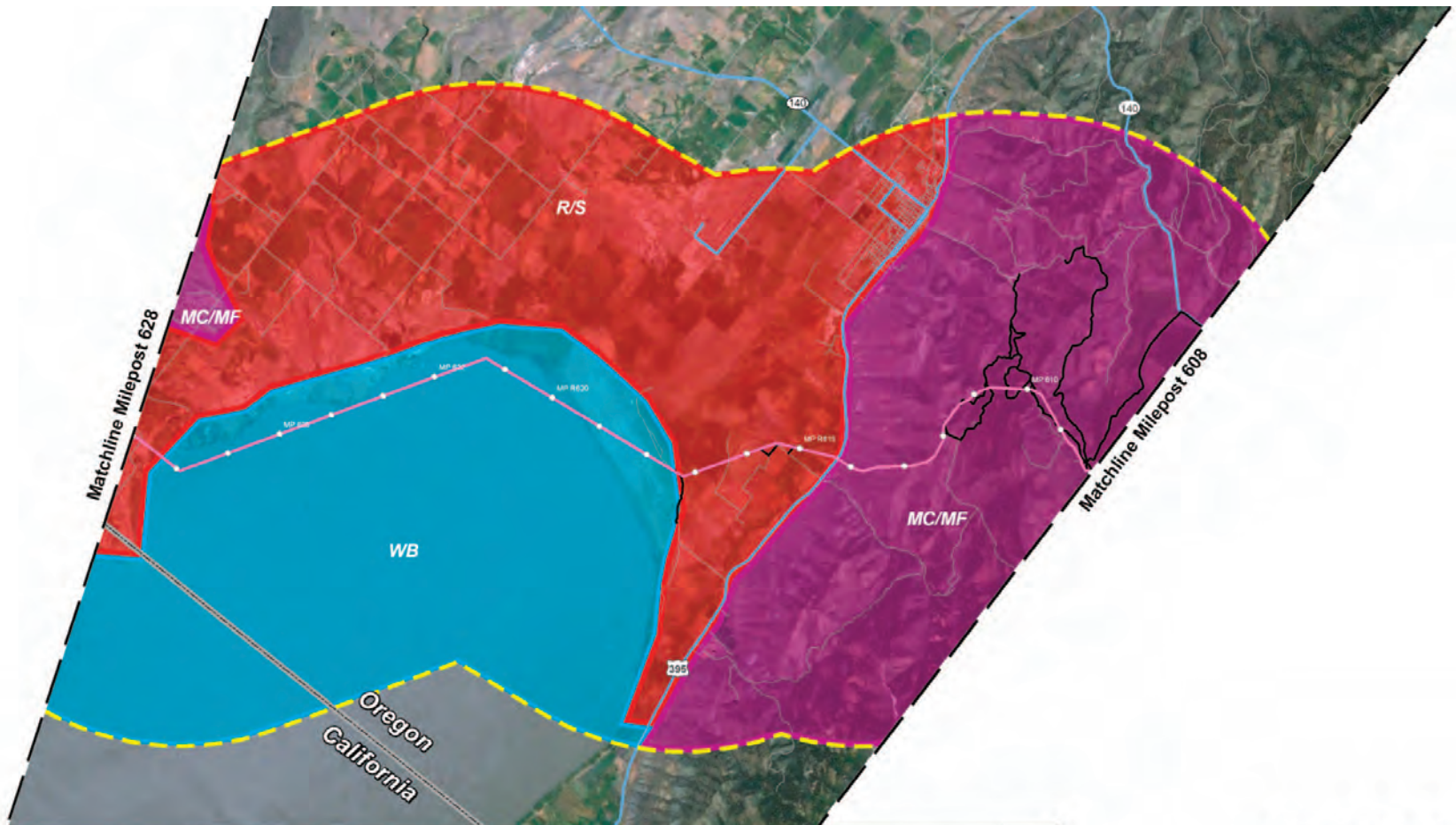
Miles  
0 2  
1 inch equals 2 miles



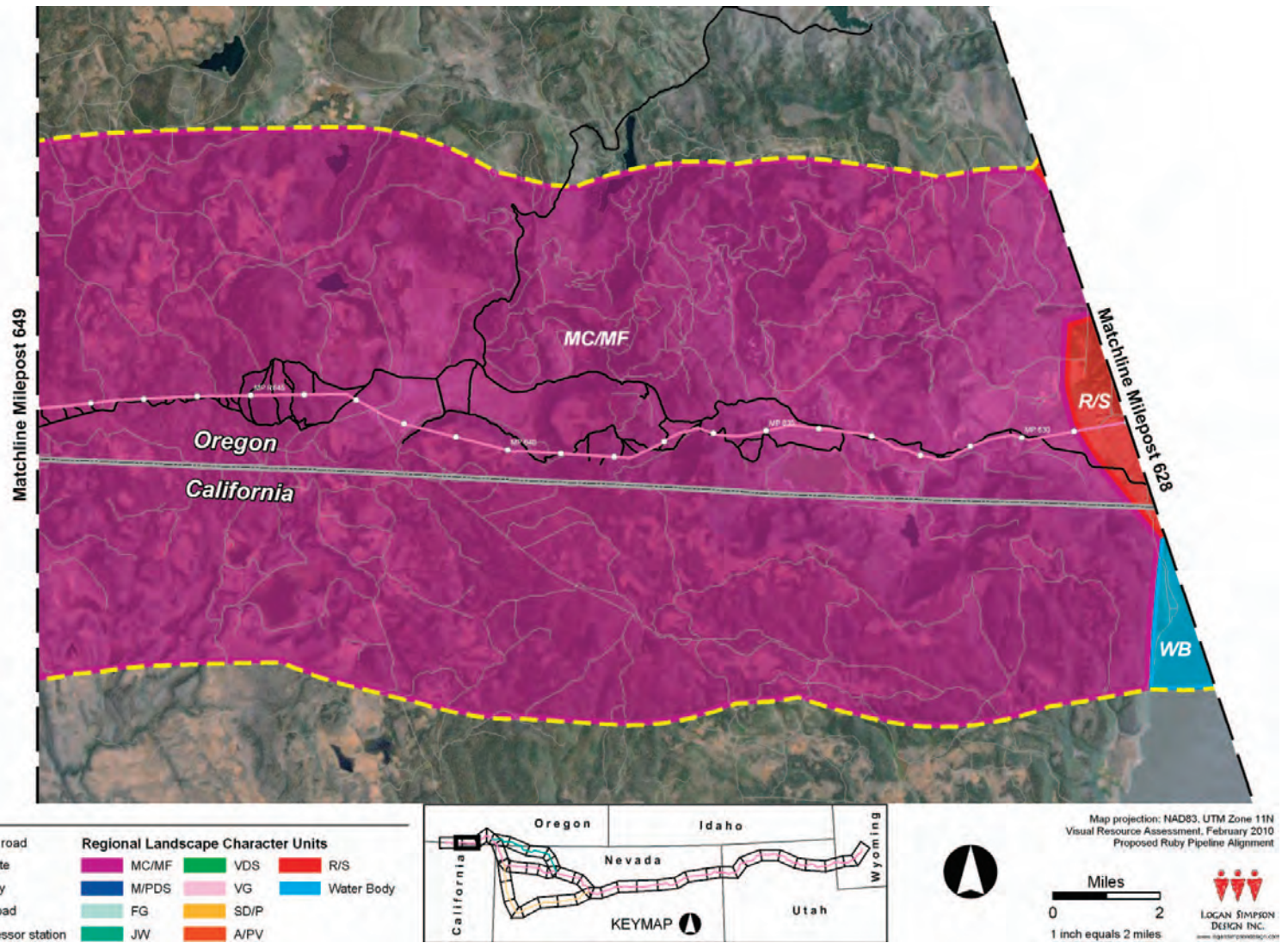




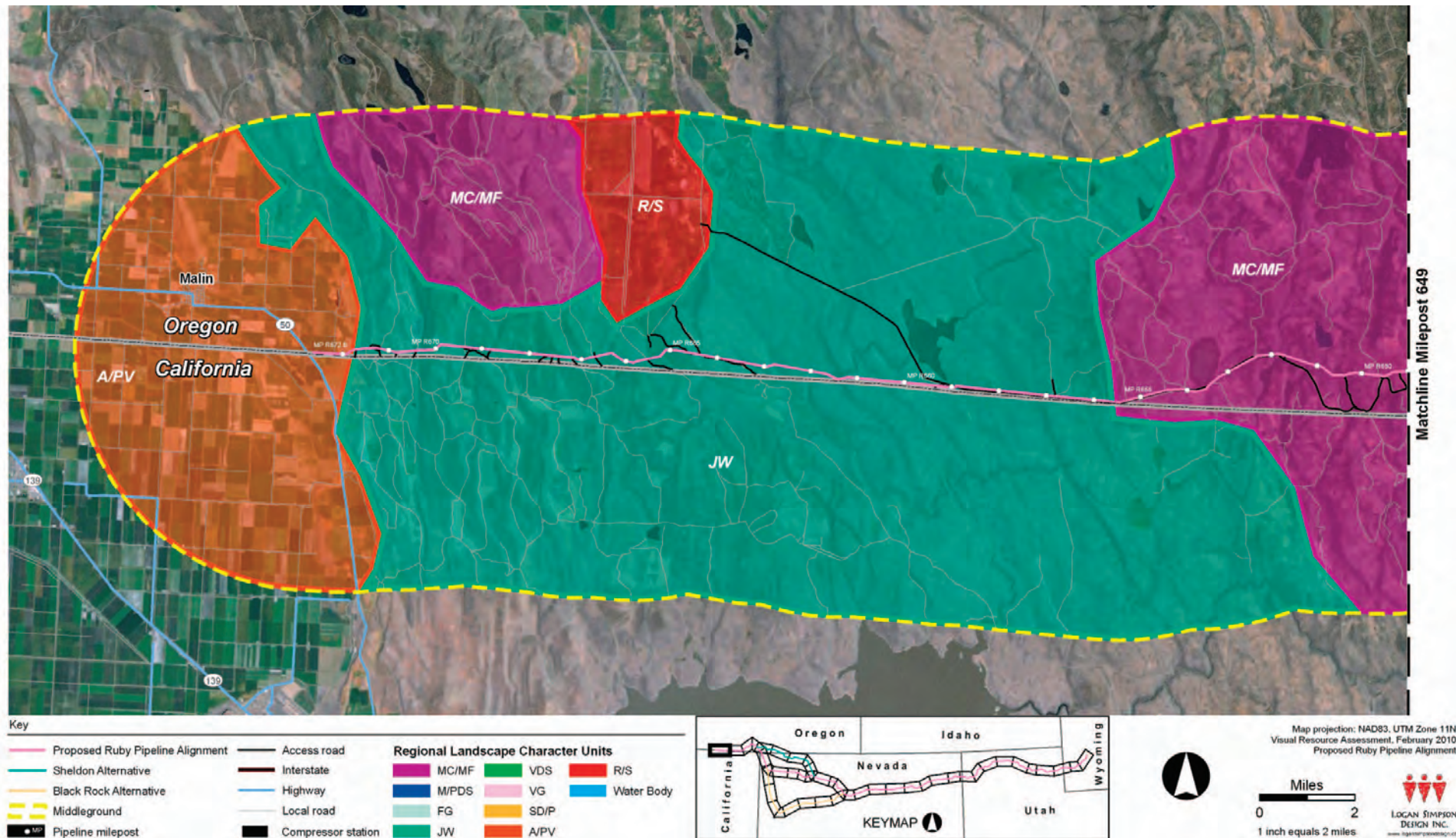




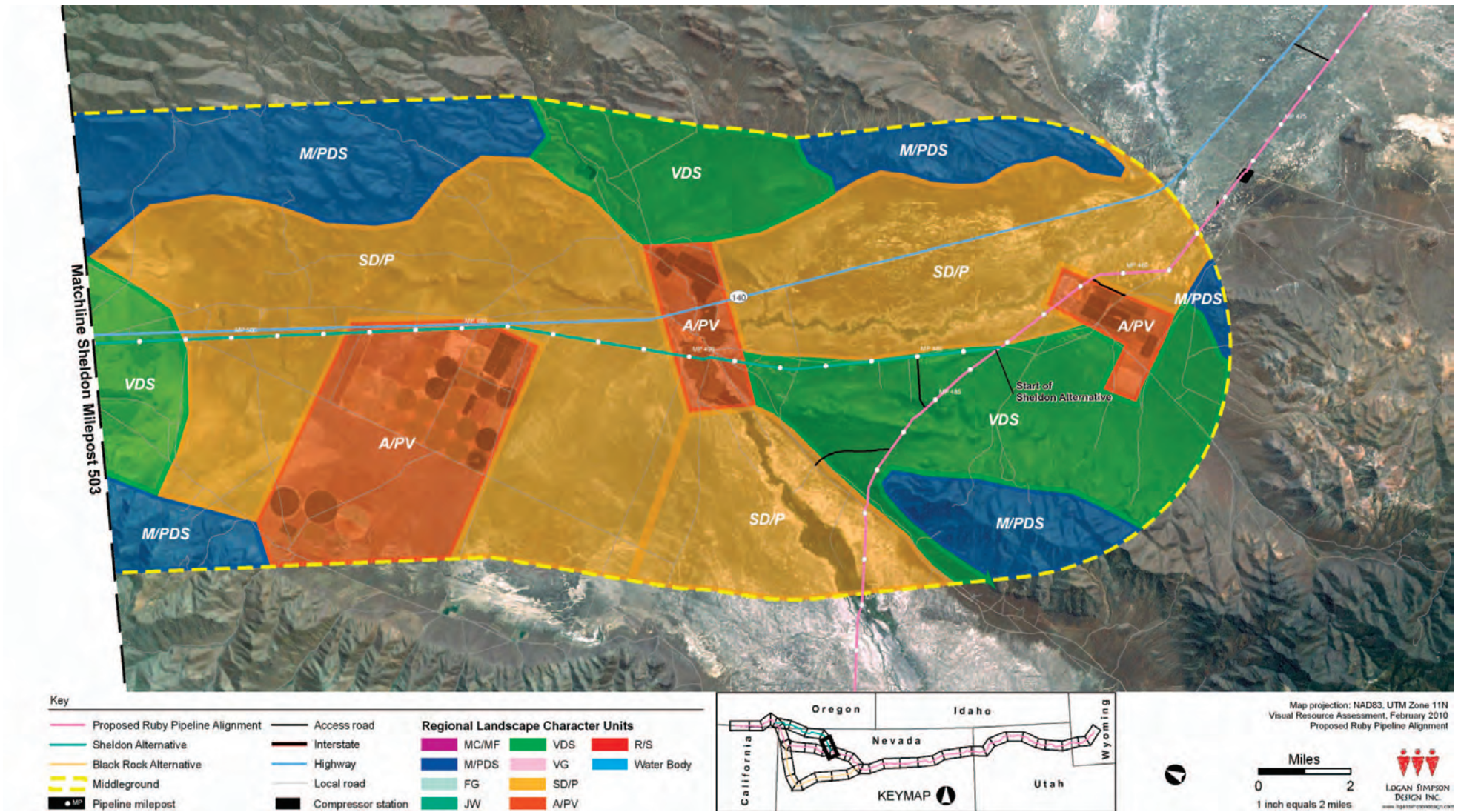


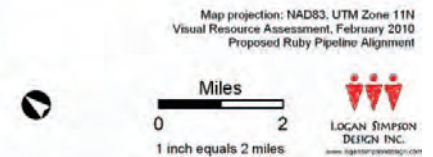
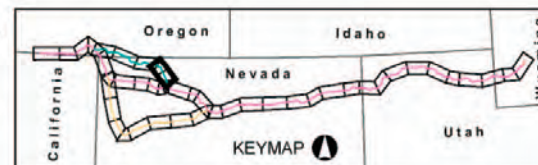
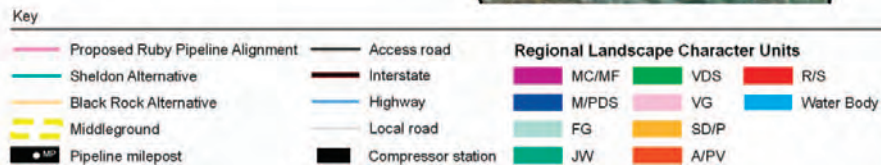
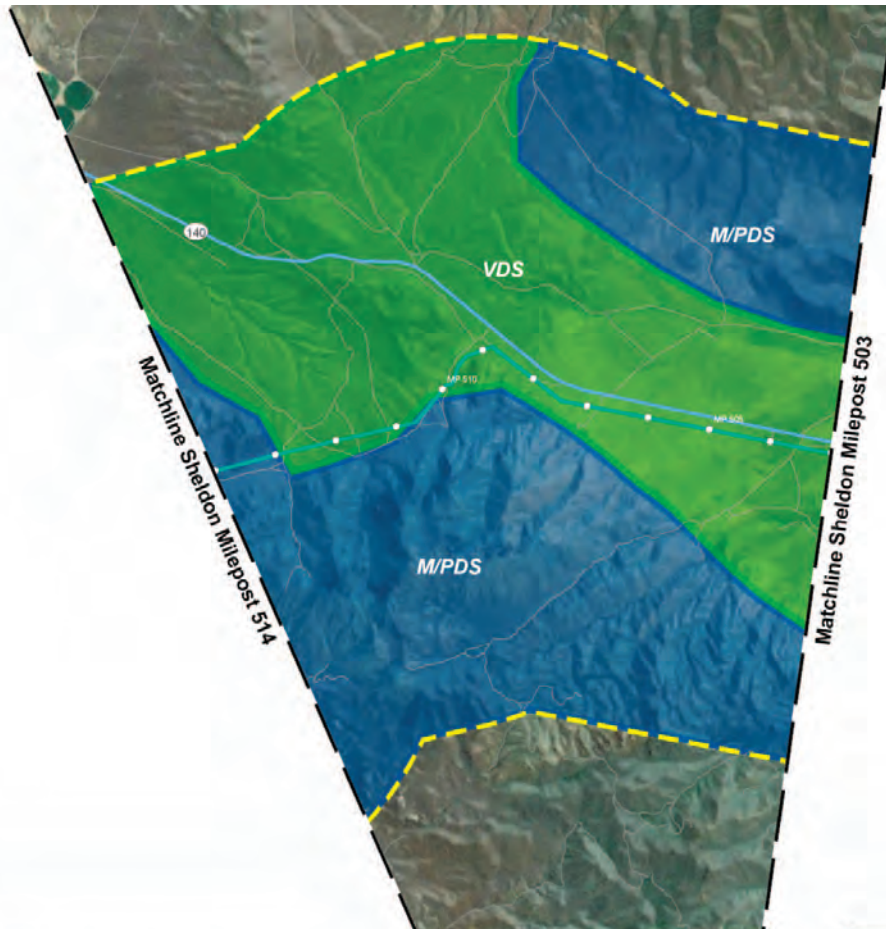




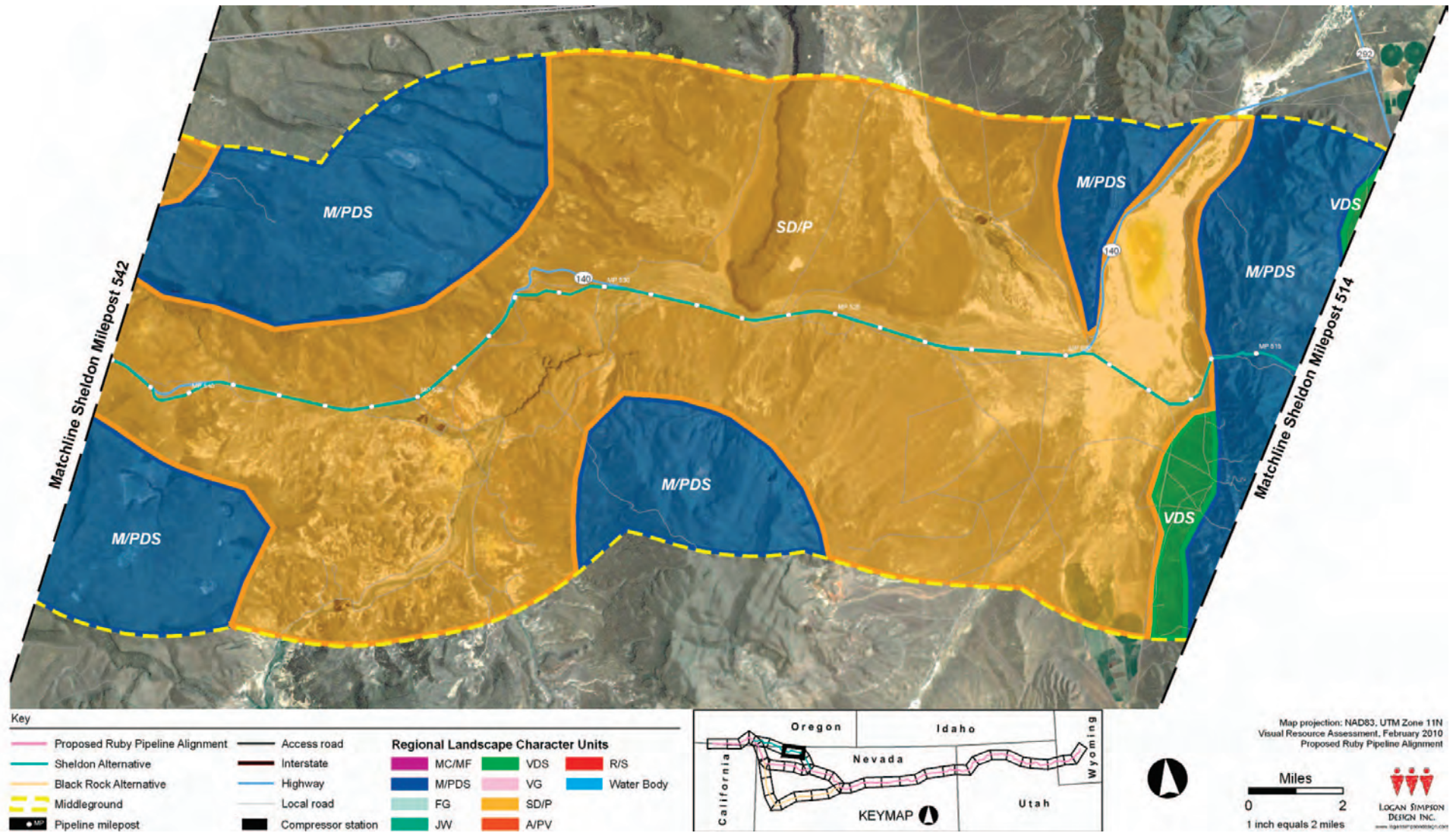




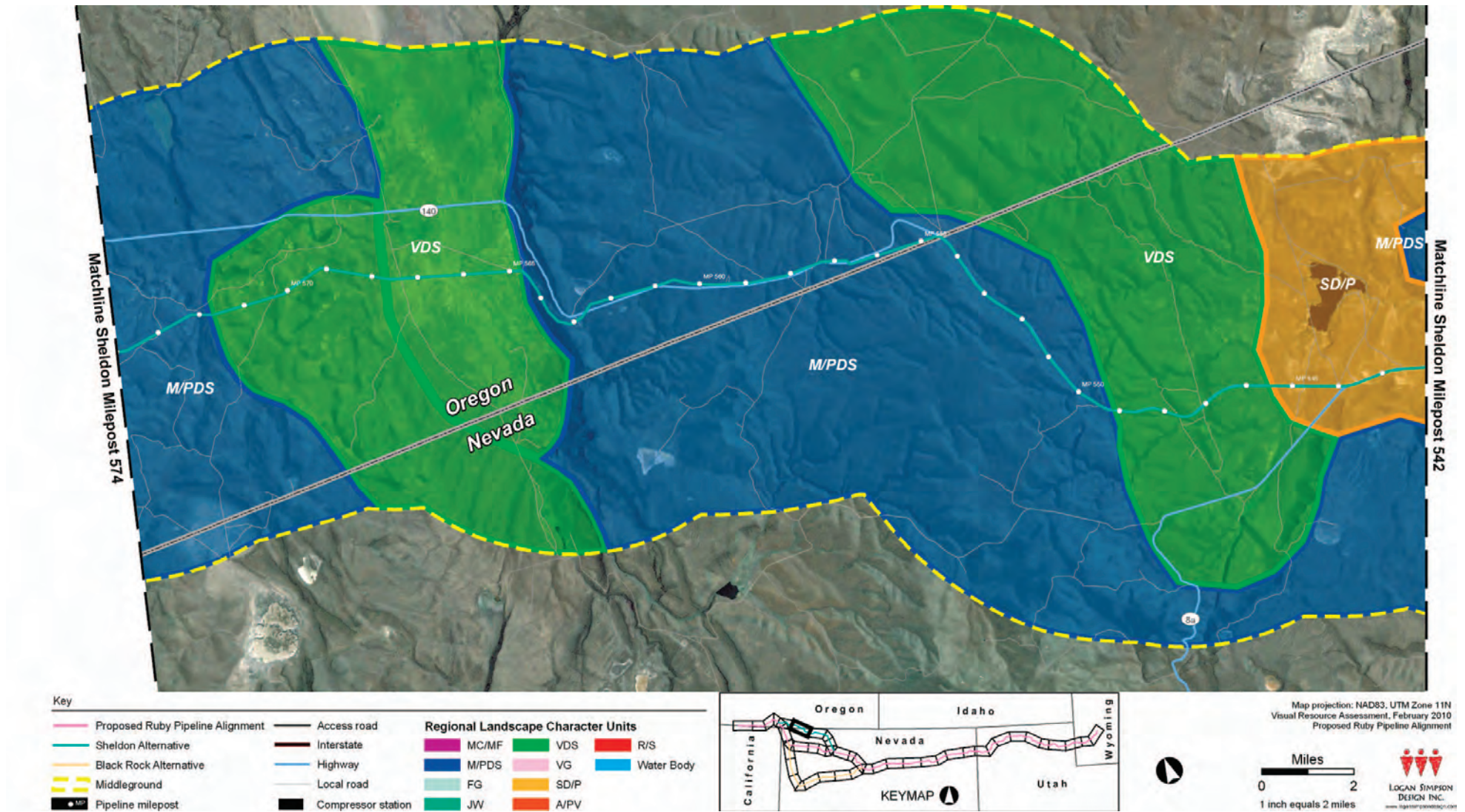








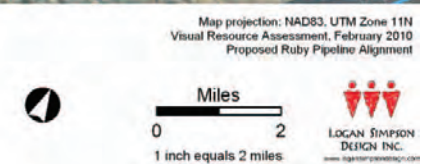
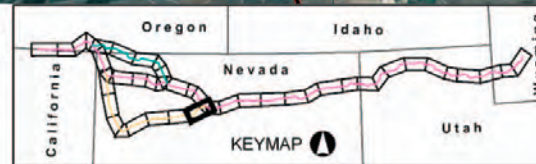
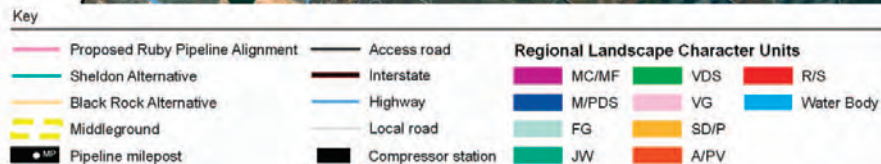
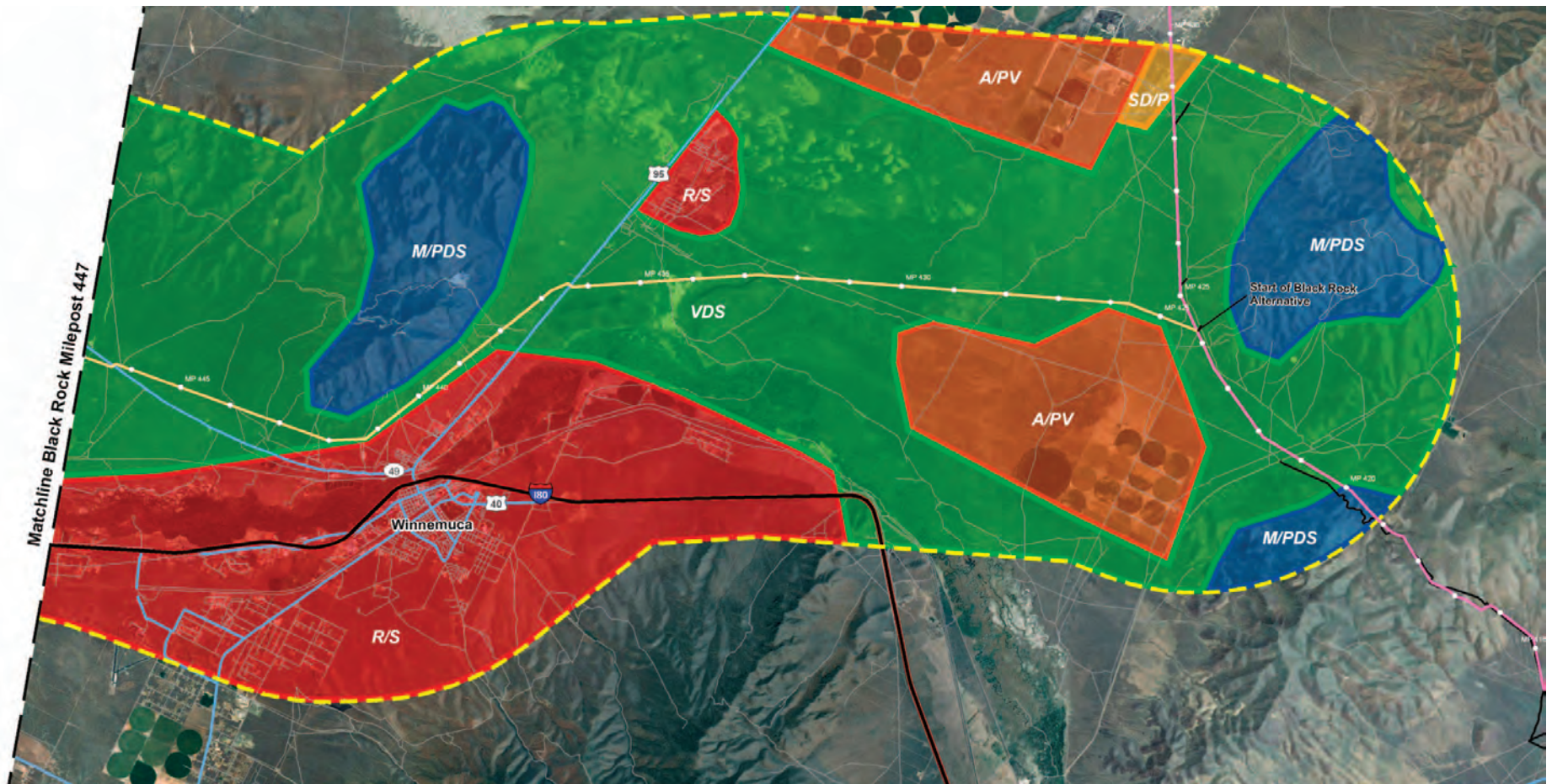




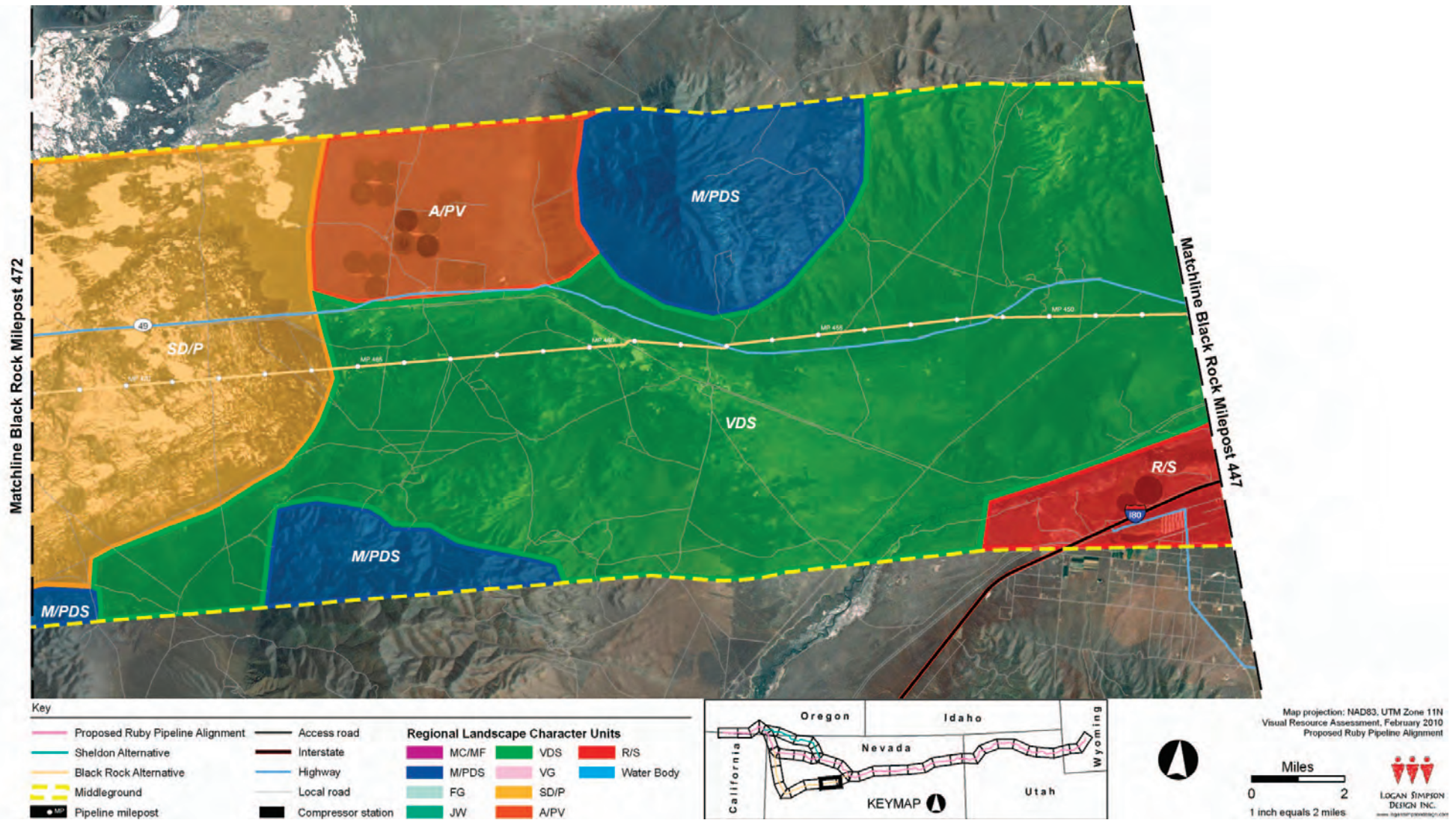




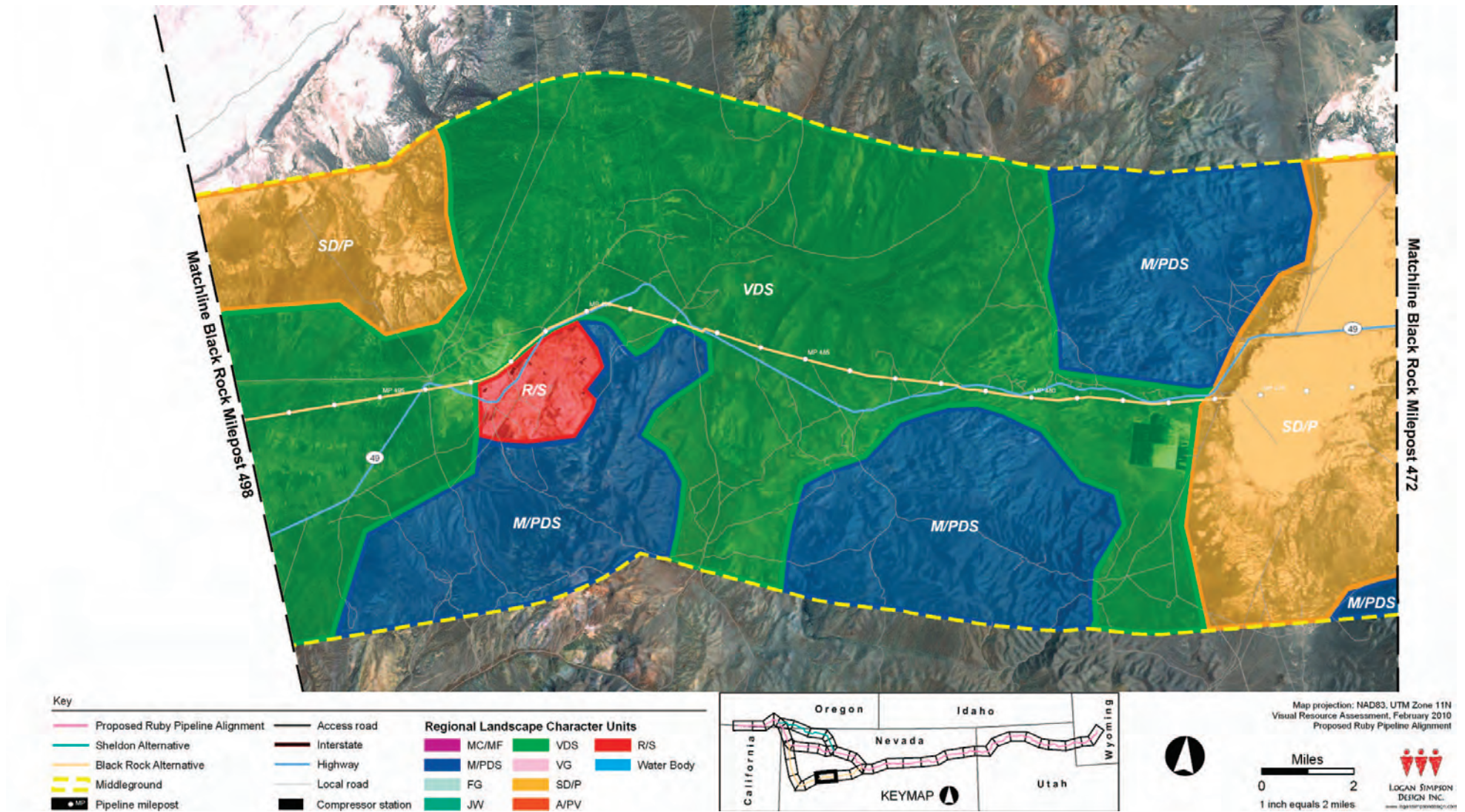




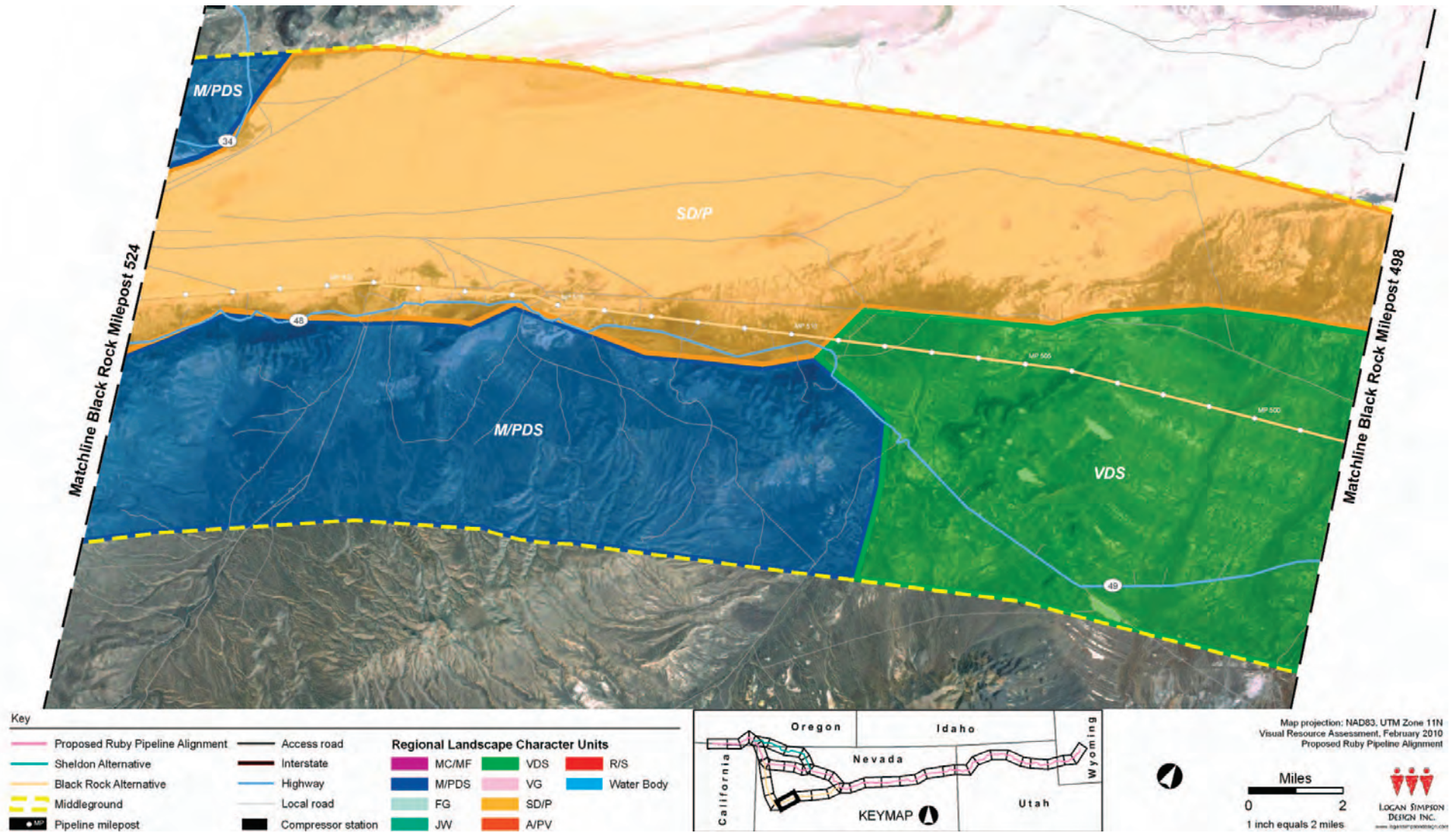


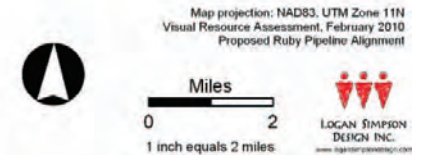
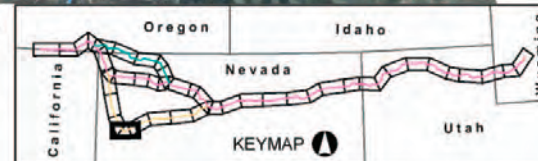
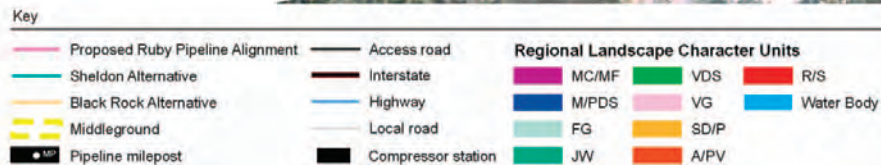




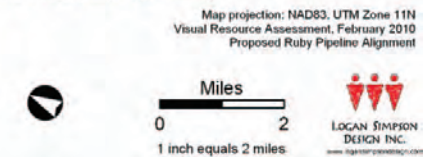
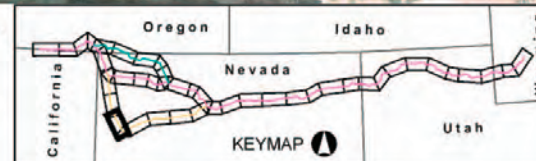
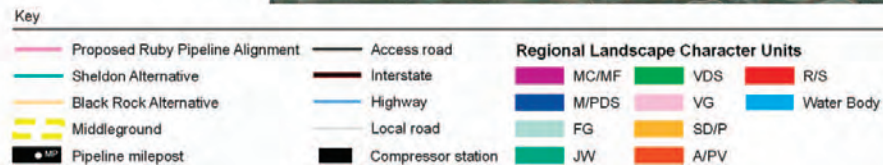
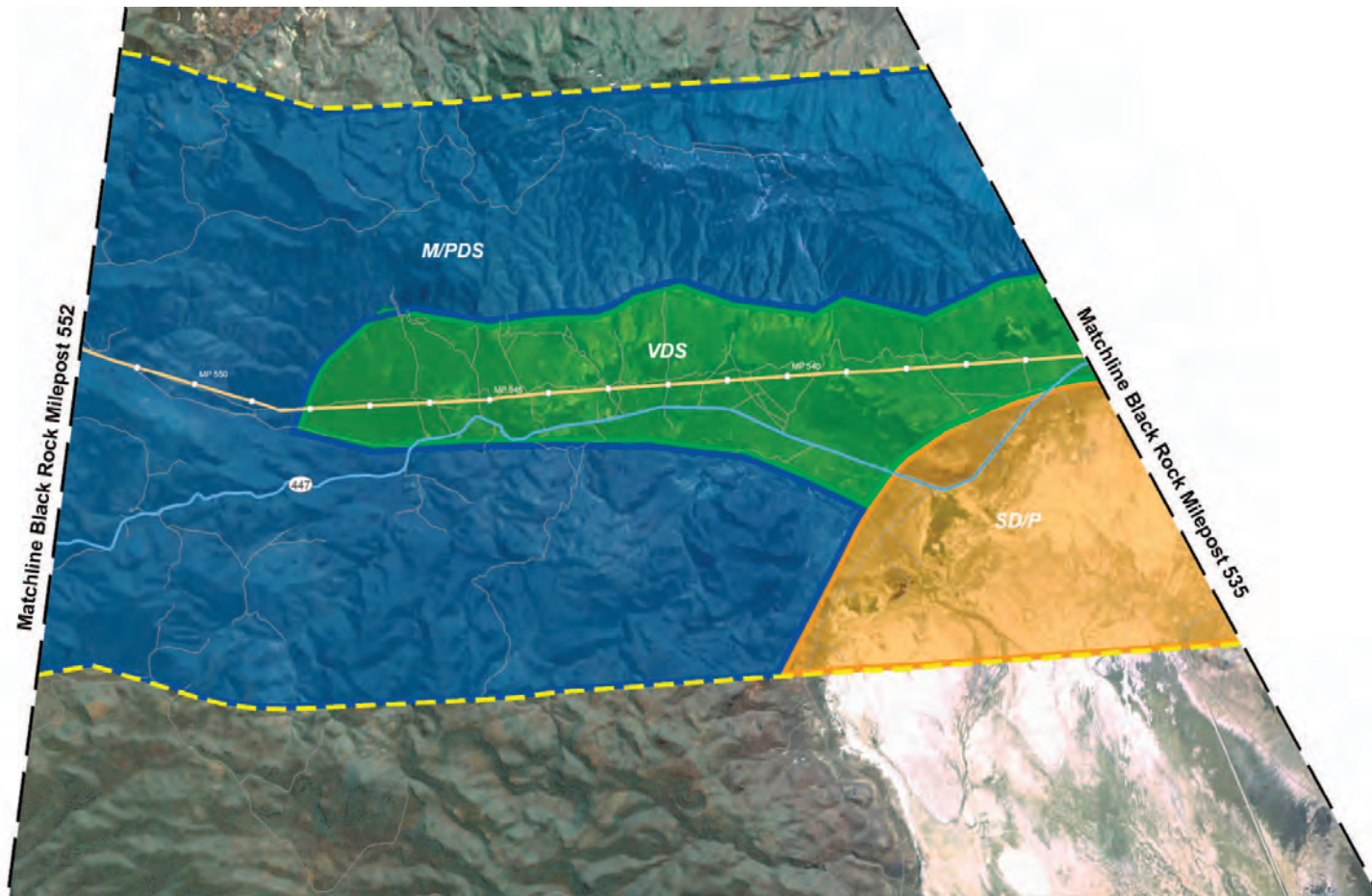


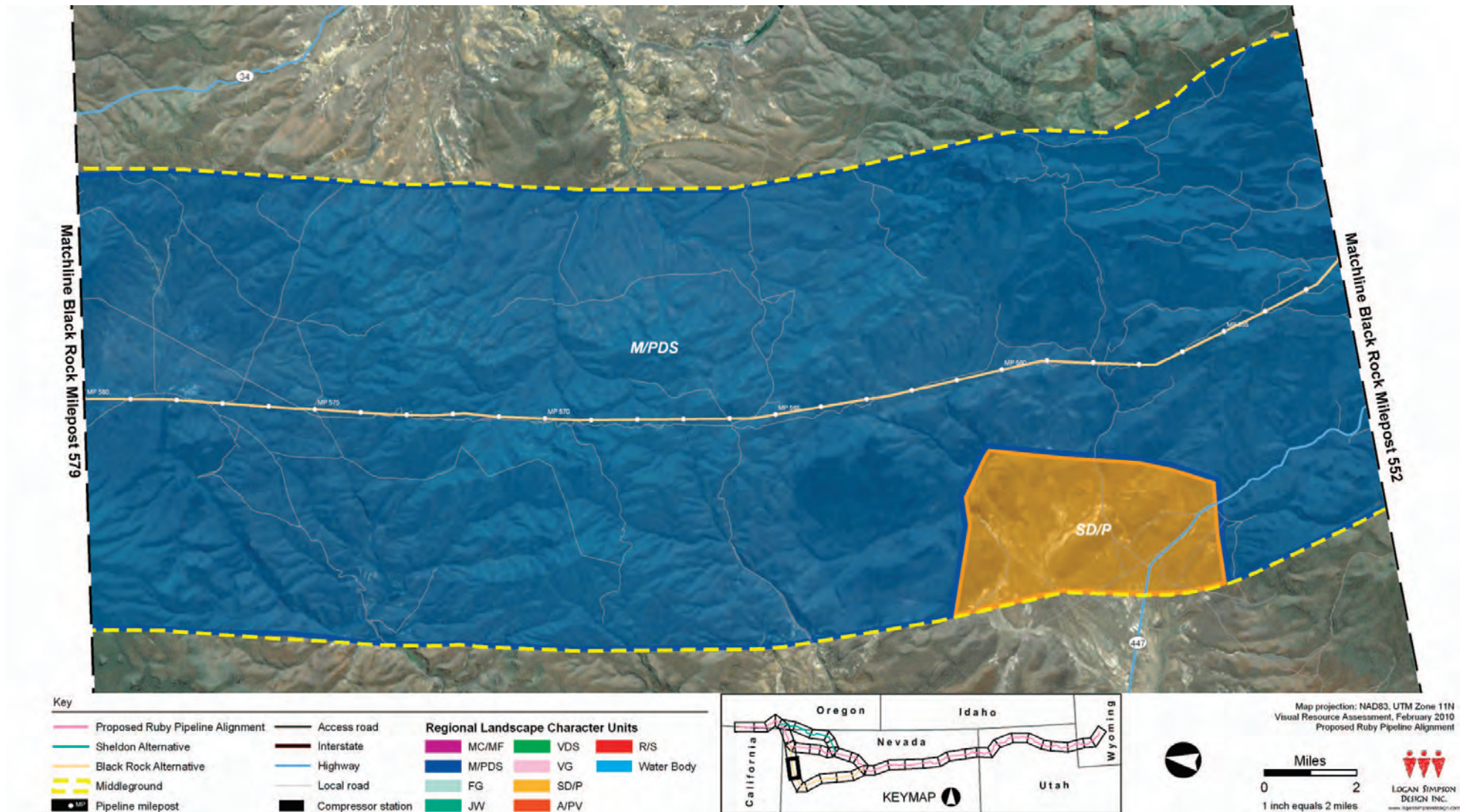




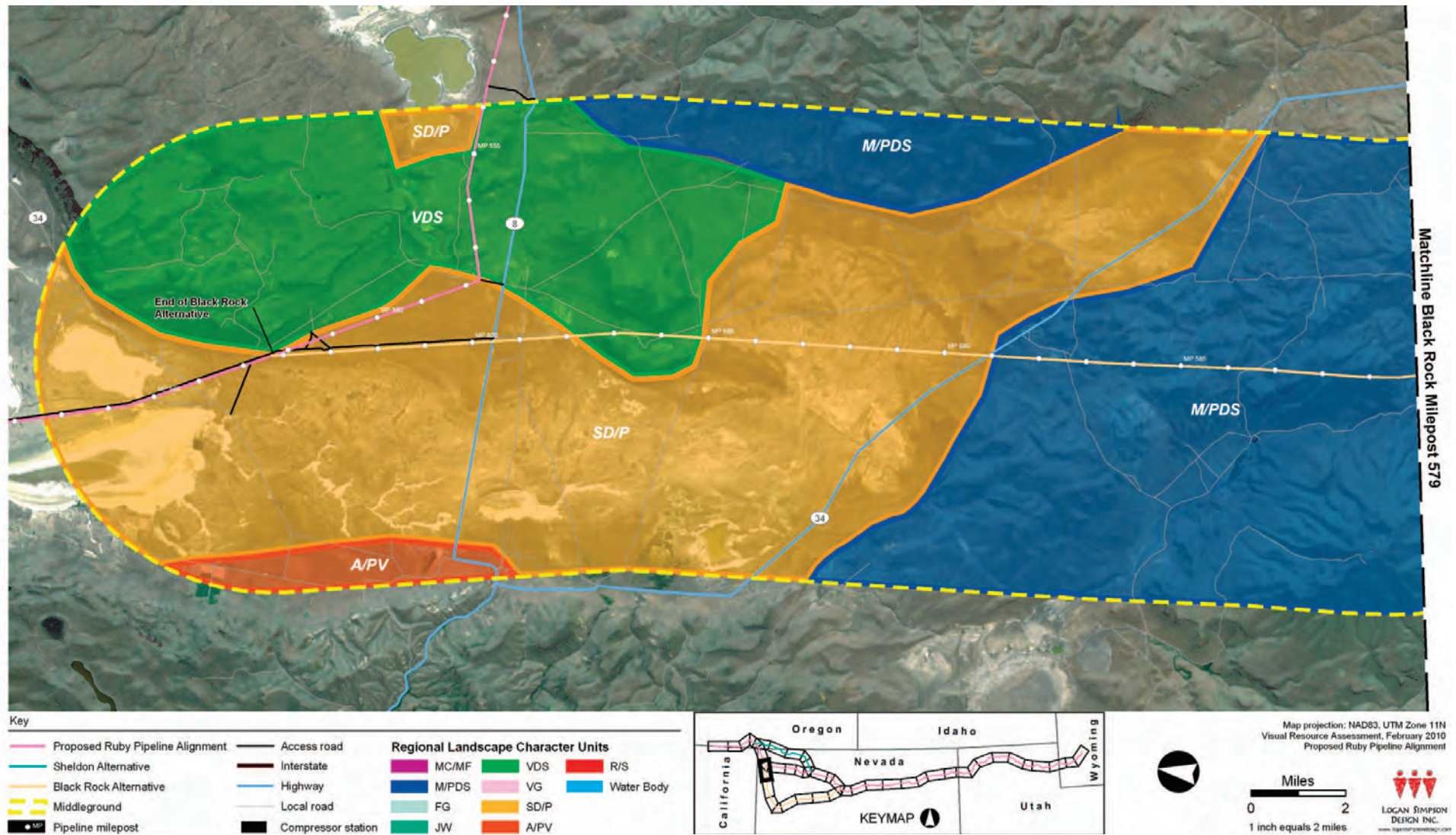










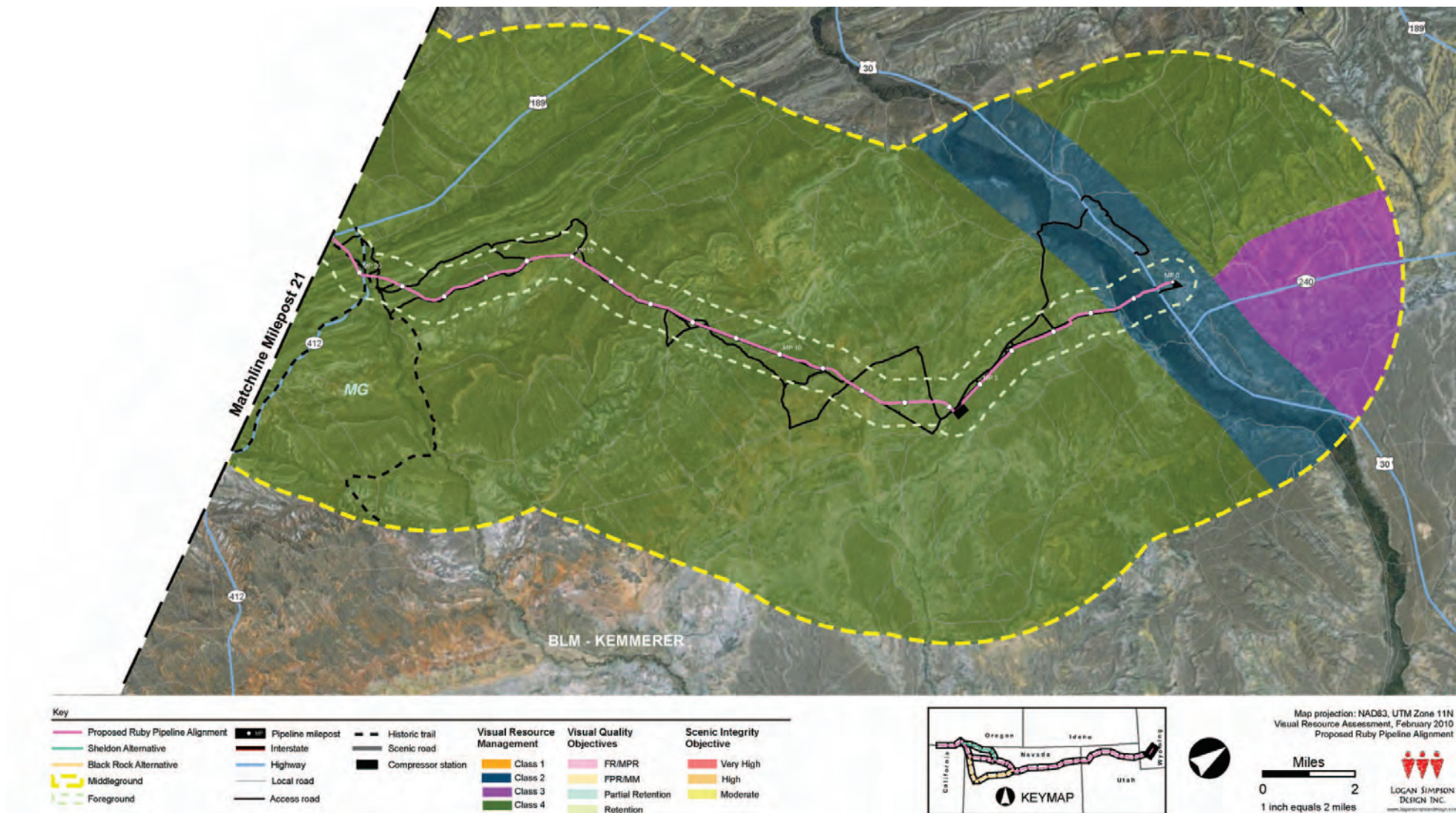




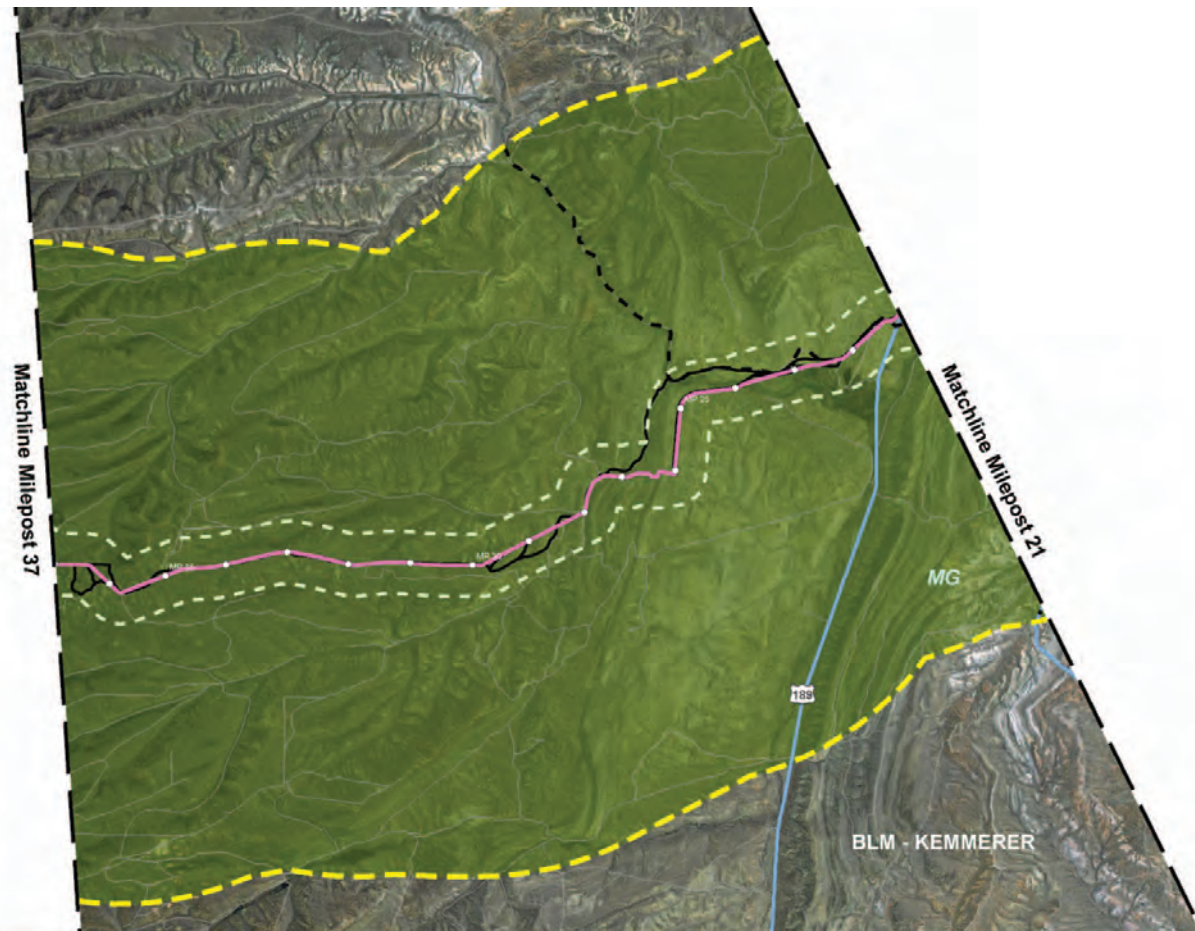











## **Appendix B**

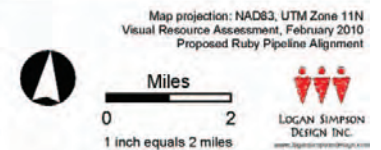
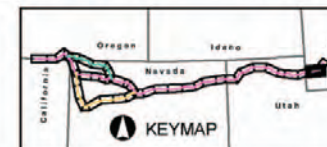
### **BLM and USFS Visual Management Objectives**

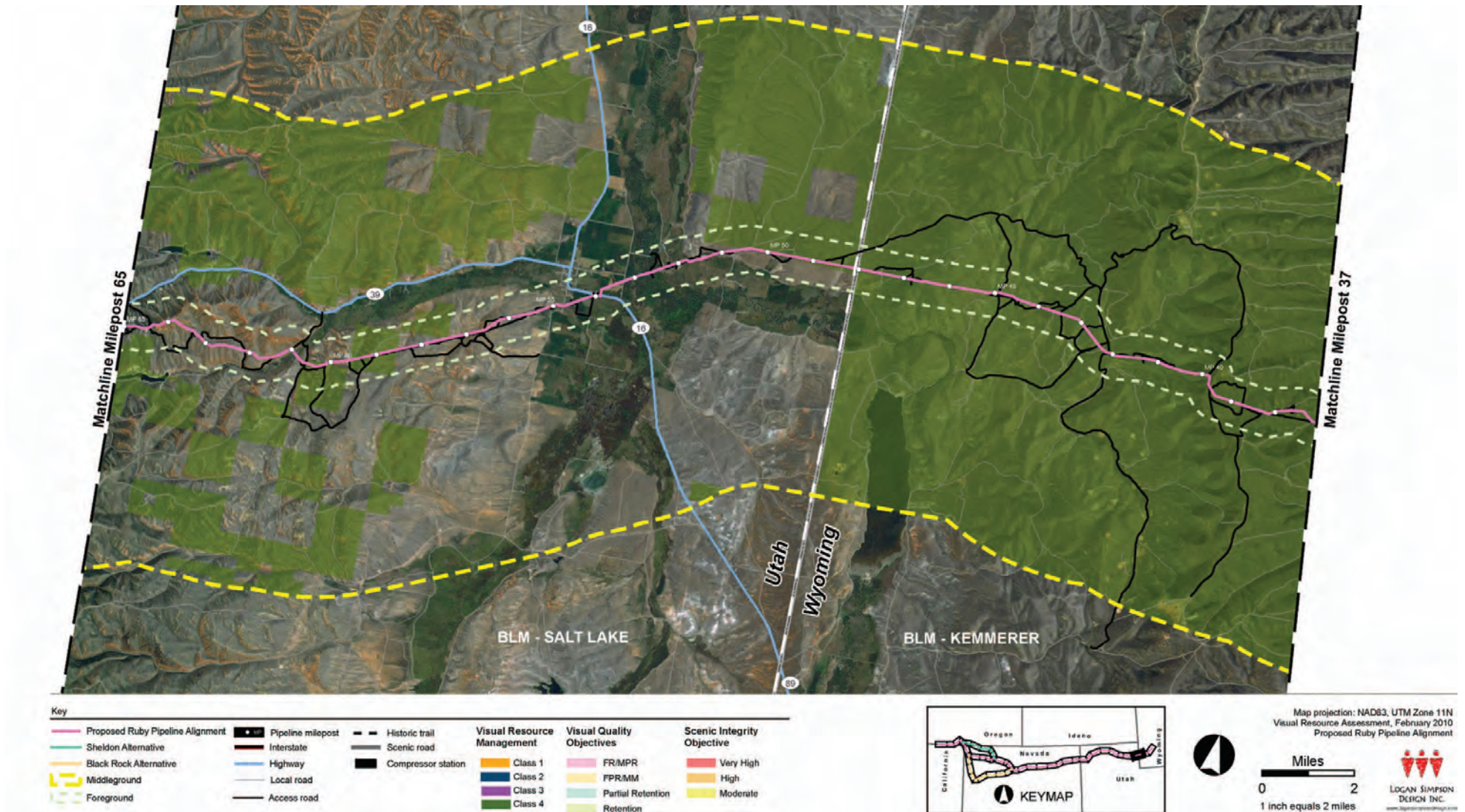




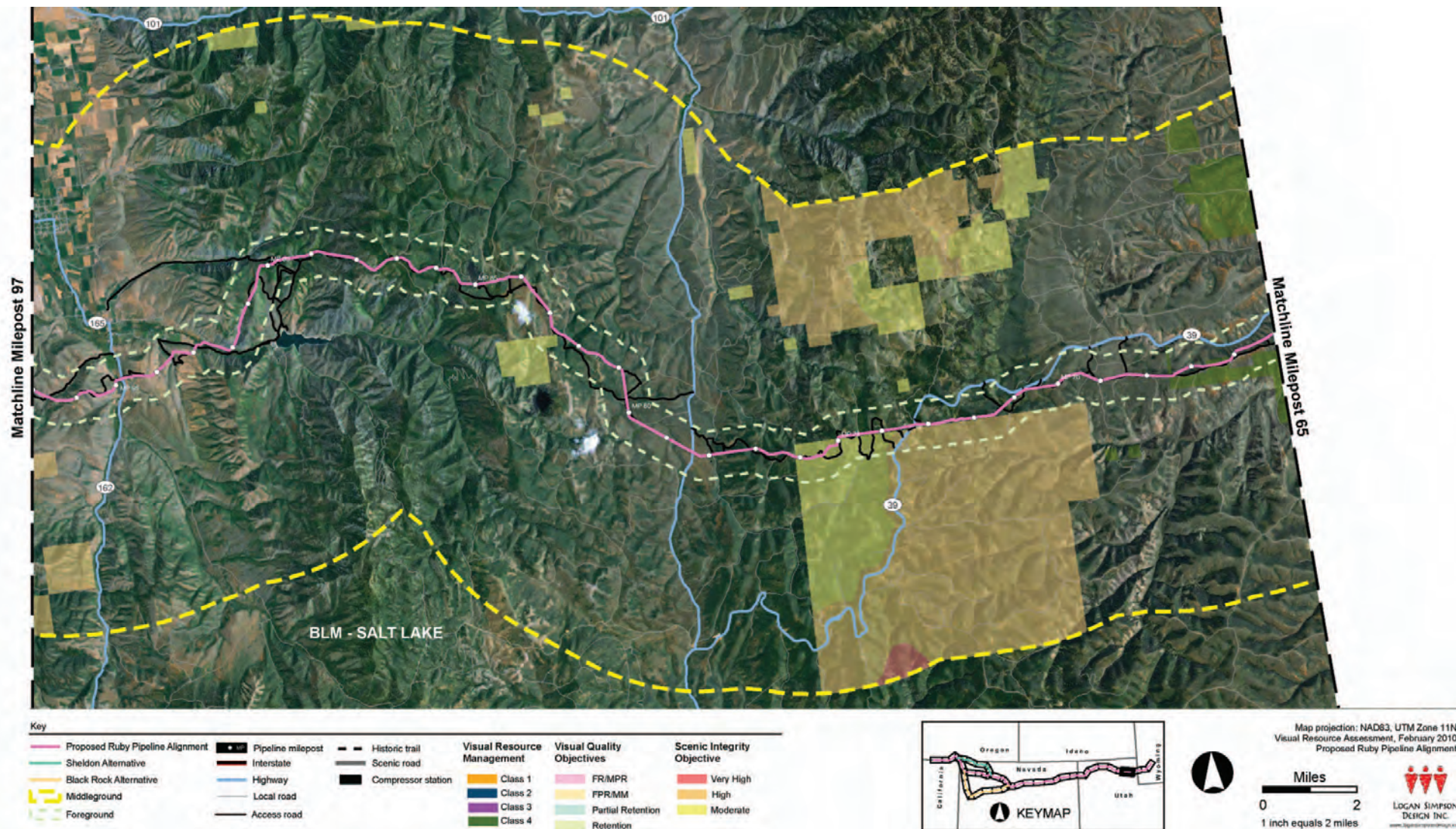


| Key   |                                  |   |                   |   |                    |   |         |   |                   |   |           |
|---|----------------------------------|---|-------------------|---|--------------------|---|---------|---|-------------------|---|-----------|
|  | Proposed Ruby Pipeline Alignment |  | Pipeline milepost |  | Historic trail     | Visual Resource Management  |         | Visual Quality Objectives   |                   | Scenic Integrity Objective  |           |
|  | Sheldon Alternative              |  | Interstate        |  | Scenic road        |  | Class 1 |  | FR/MPR            |  | Very High |
|  | Black Rock Alternative           |  | Highway           |  | Local road         |  | Class 2 |  | FPR/MM            |  | High      |
|  | Middleground                     |  | Access road       |  | Compressor station |  | Class 3 |  | Partial Retention |  | Moderate  |
|  | Foreground                       |   |                   |   |                    |  | Class 4 |  | Retention         |   |           |

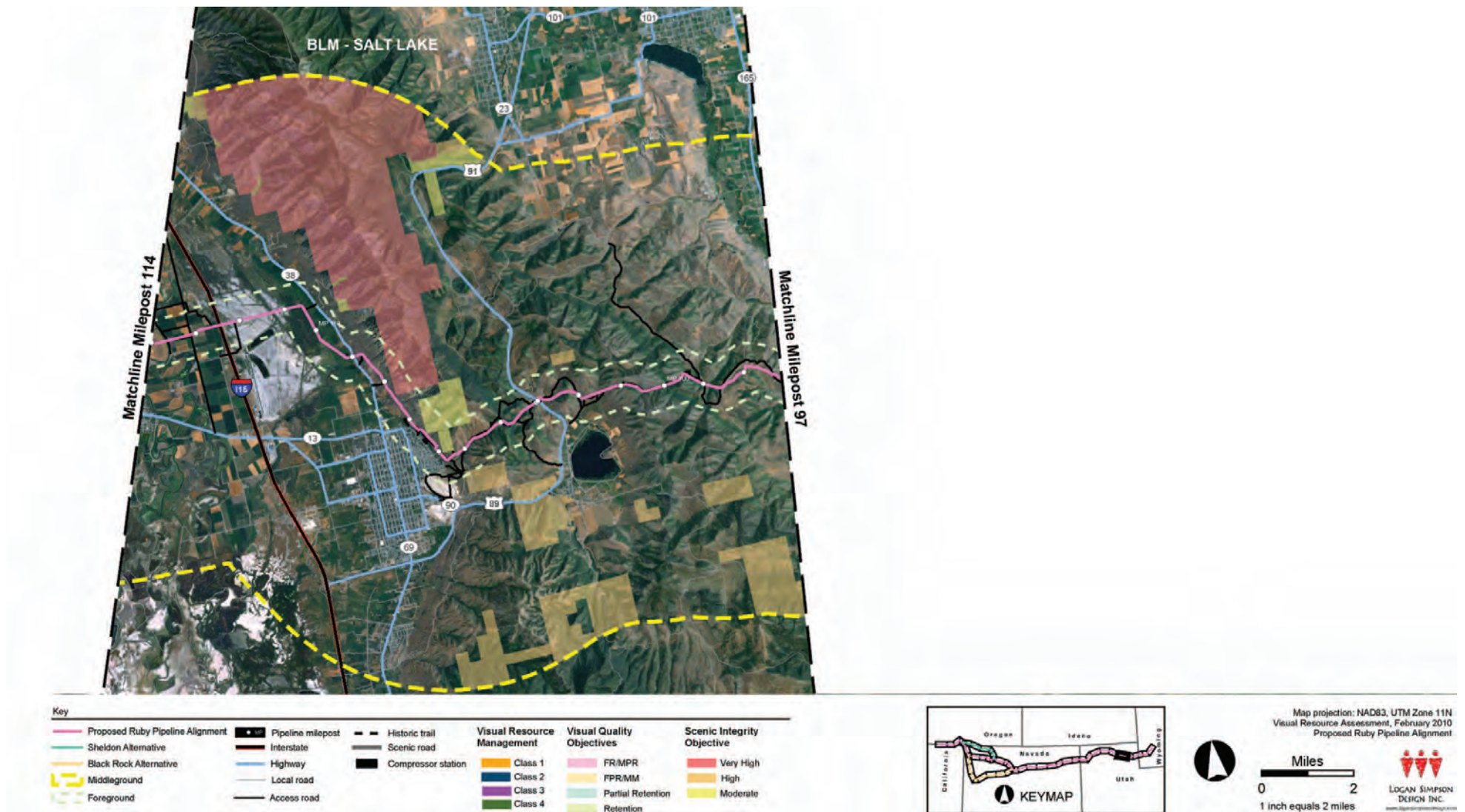




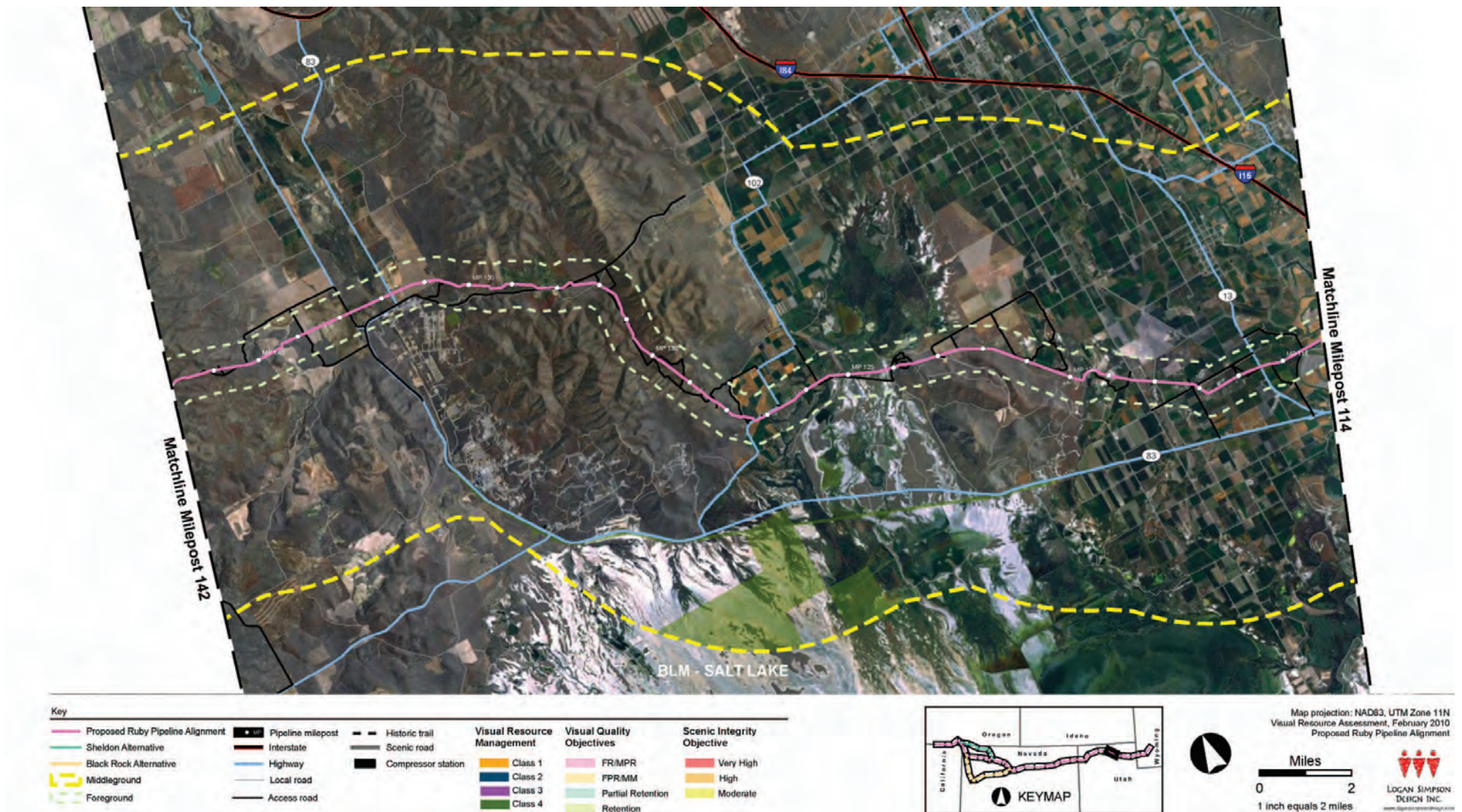




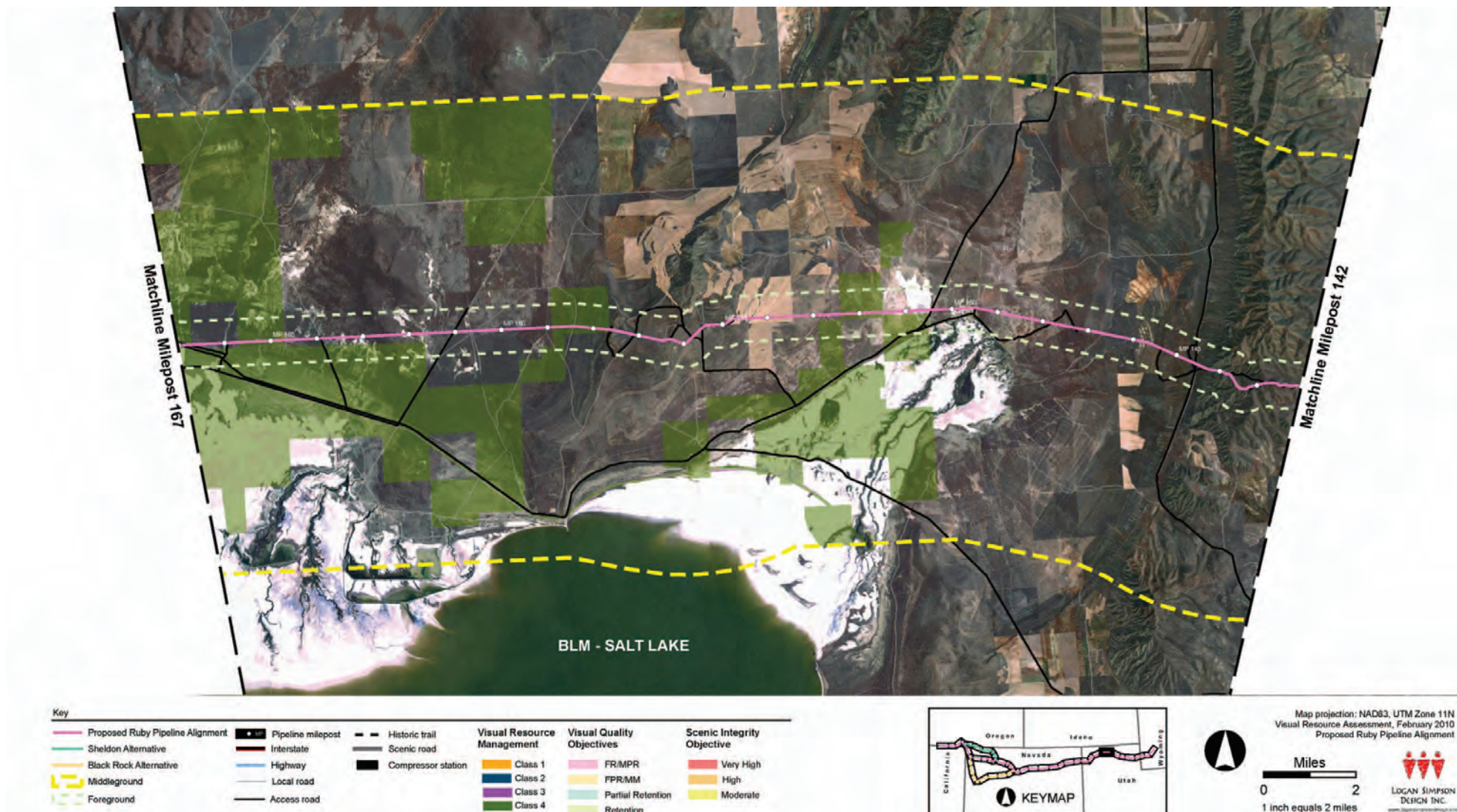




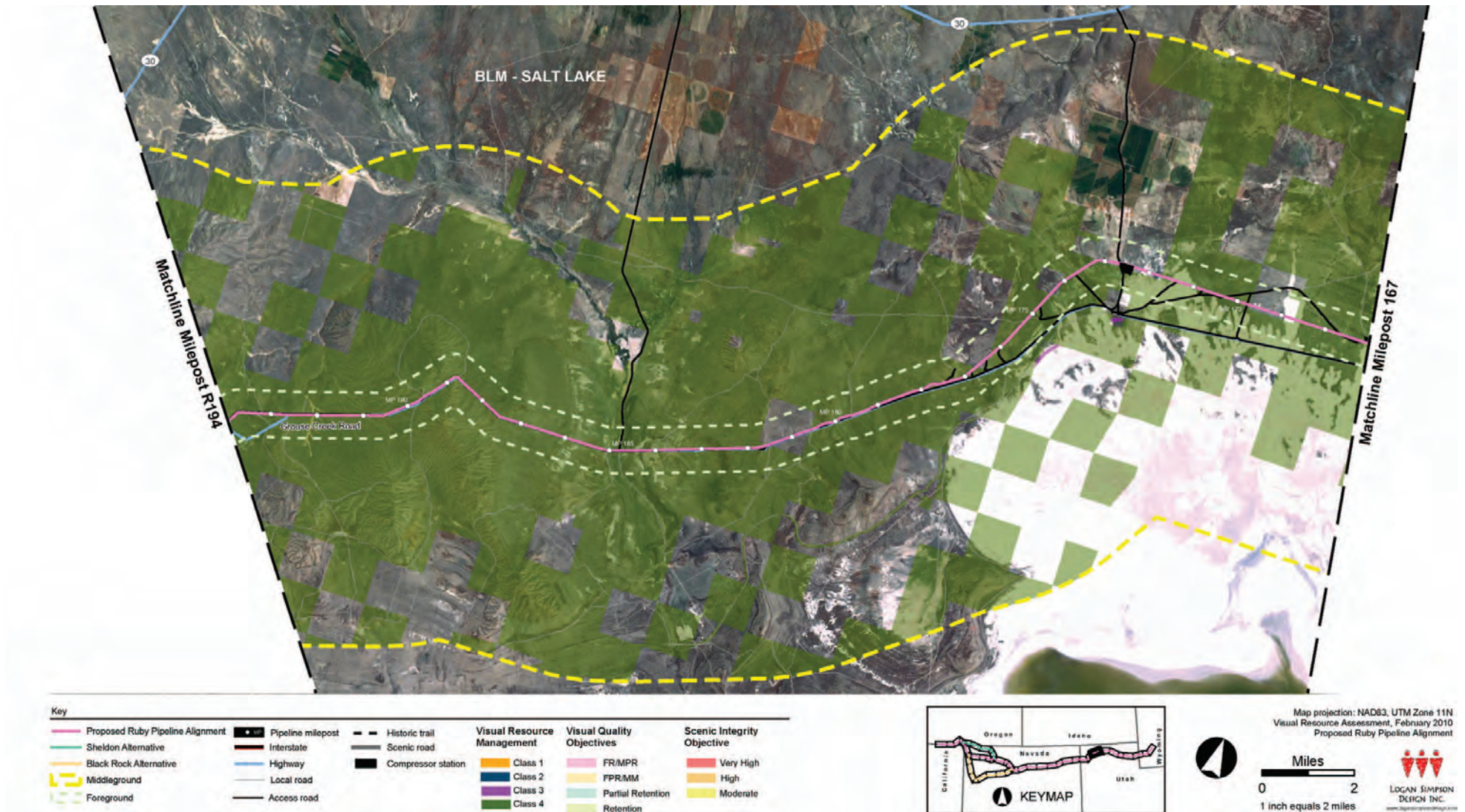




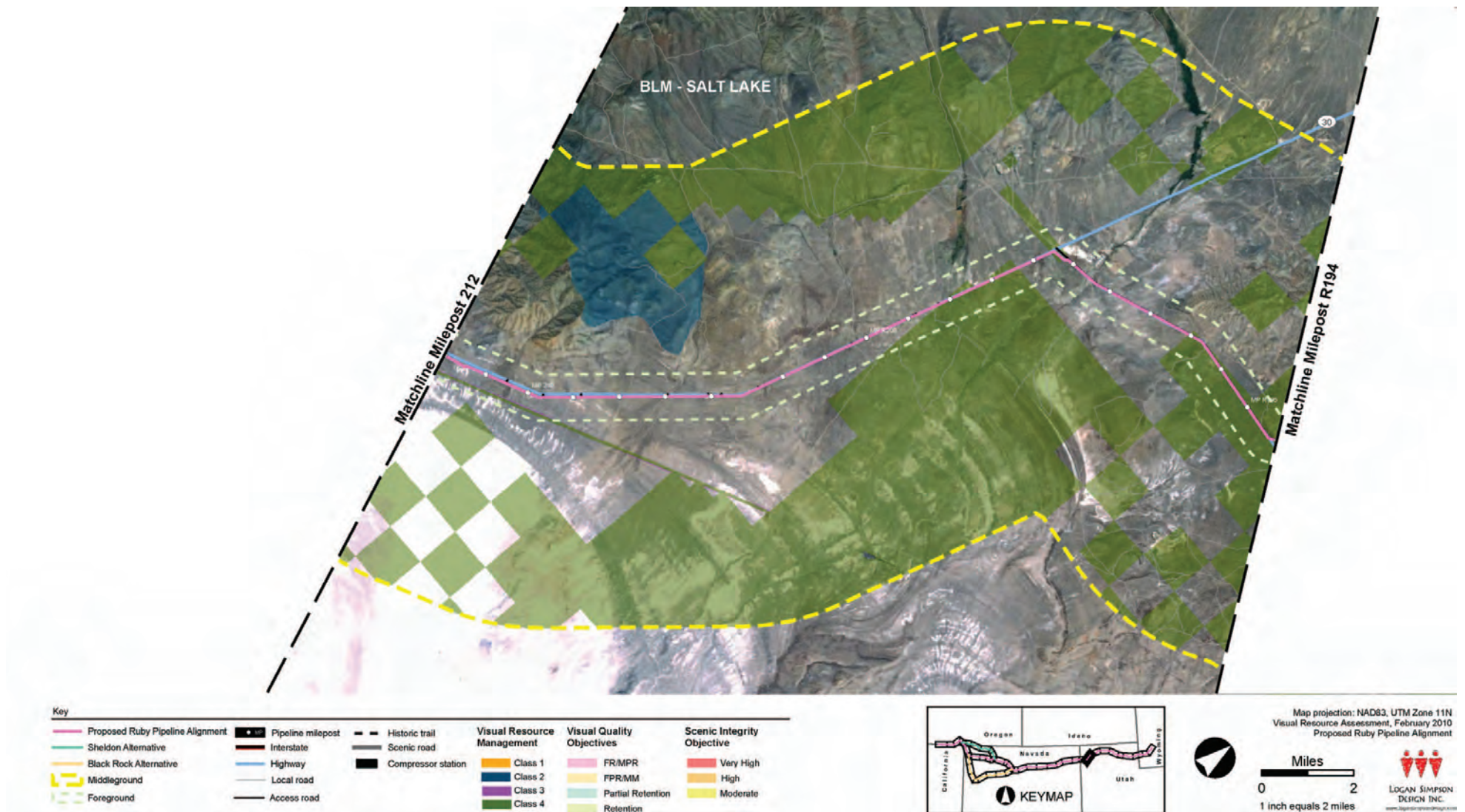




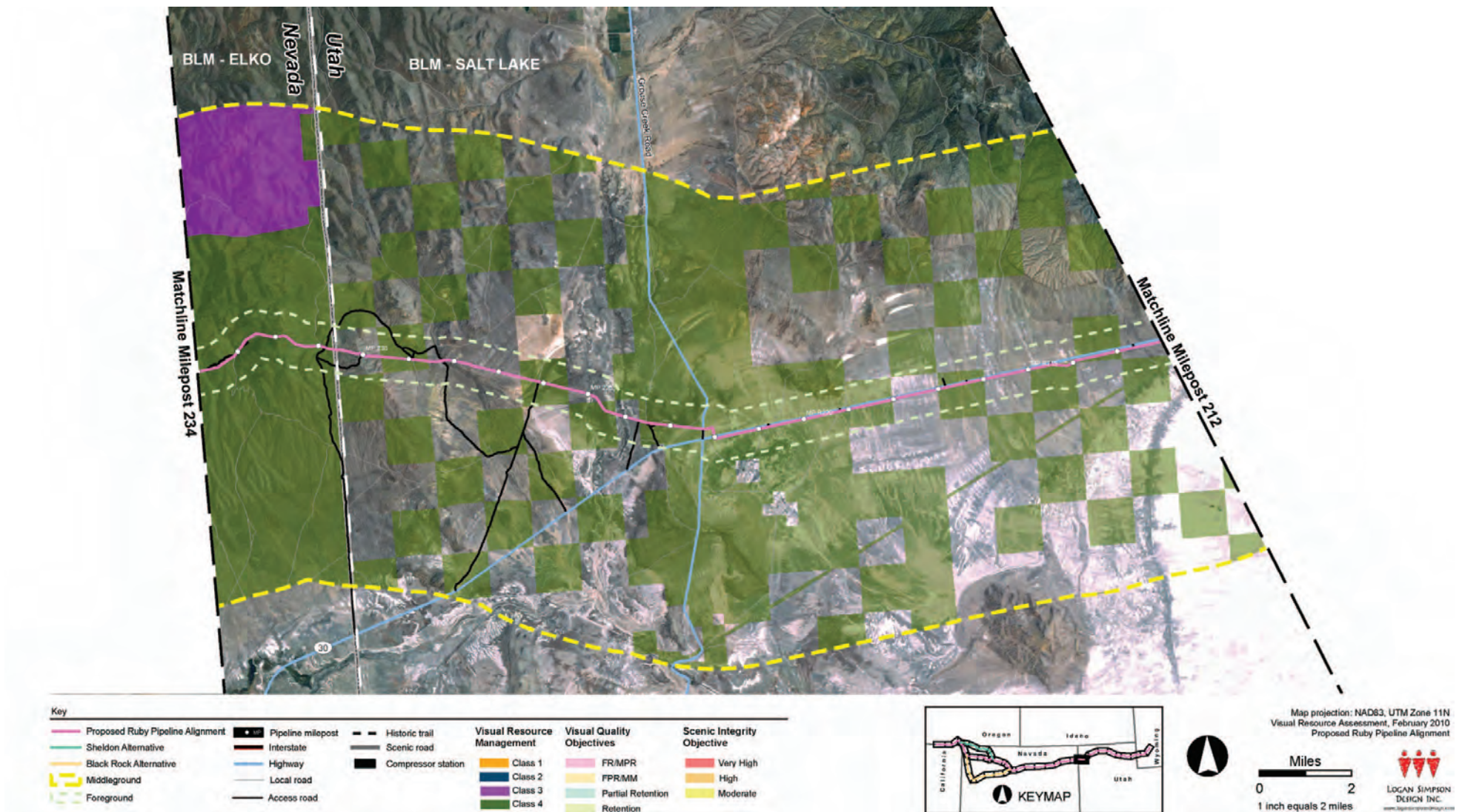


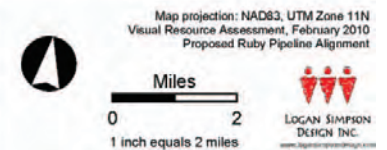
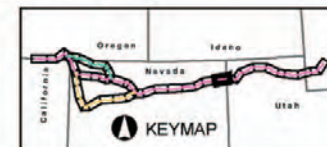
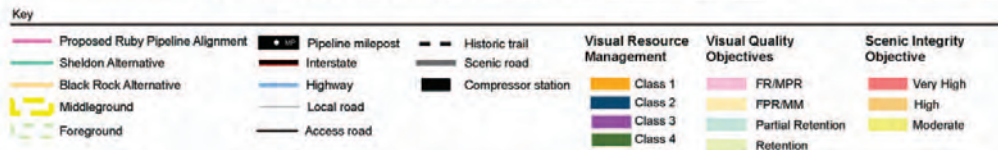
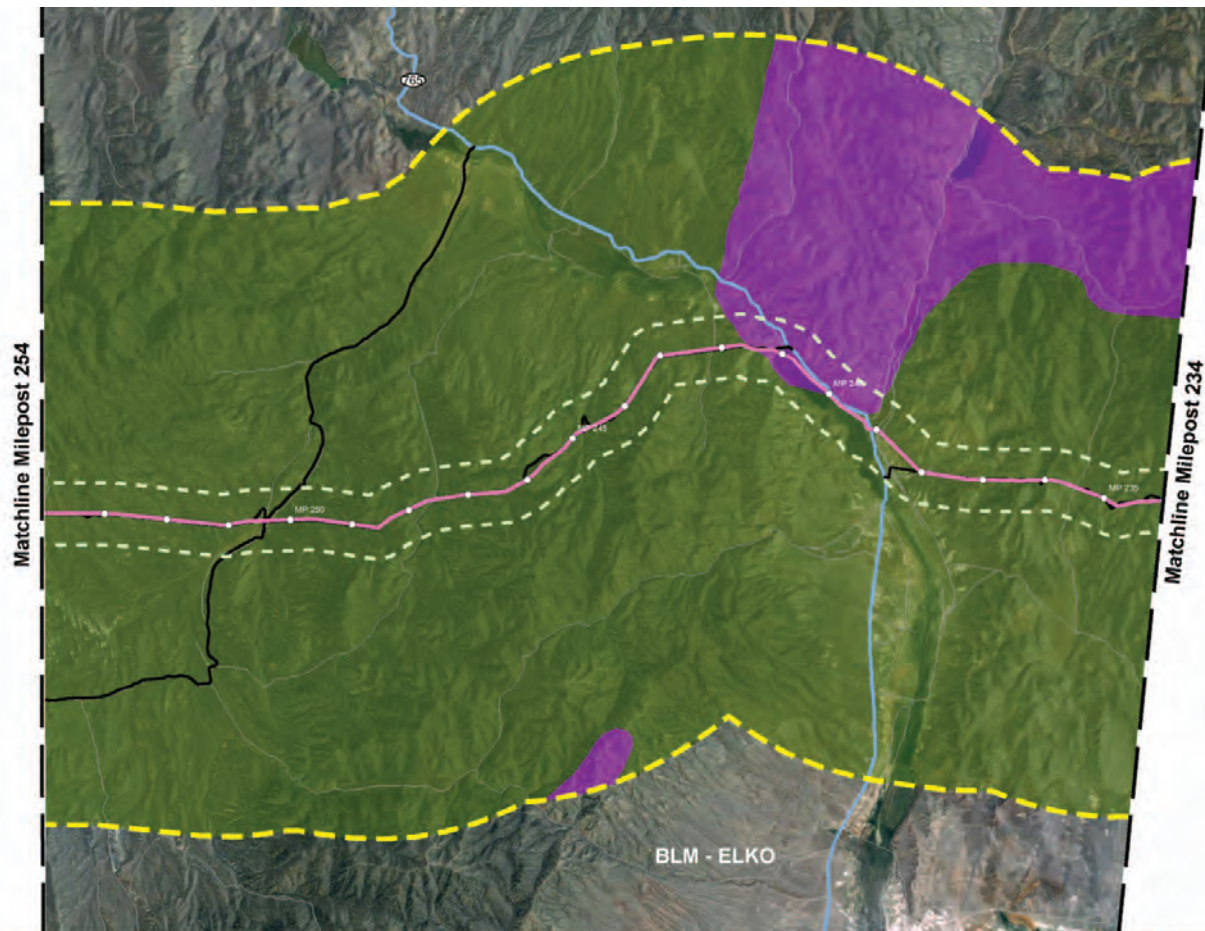




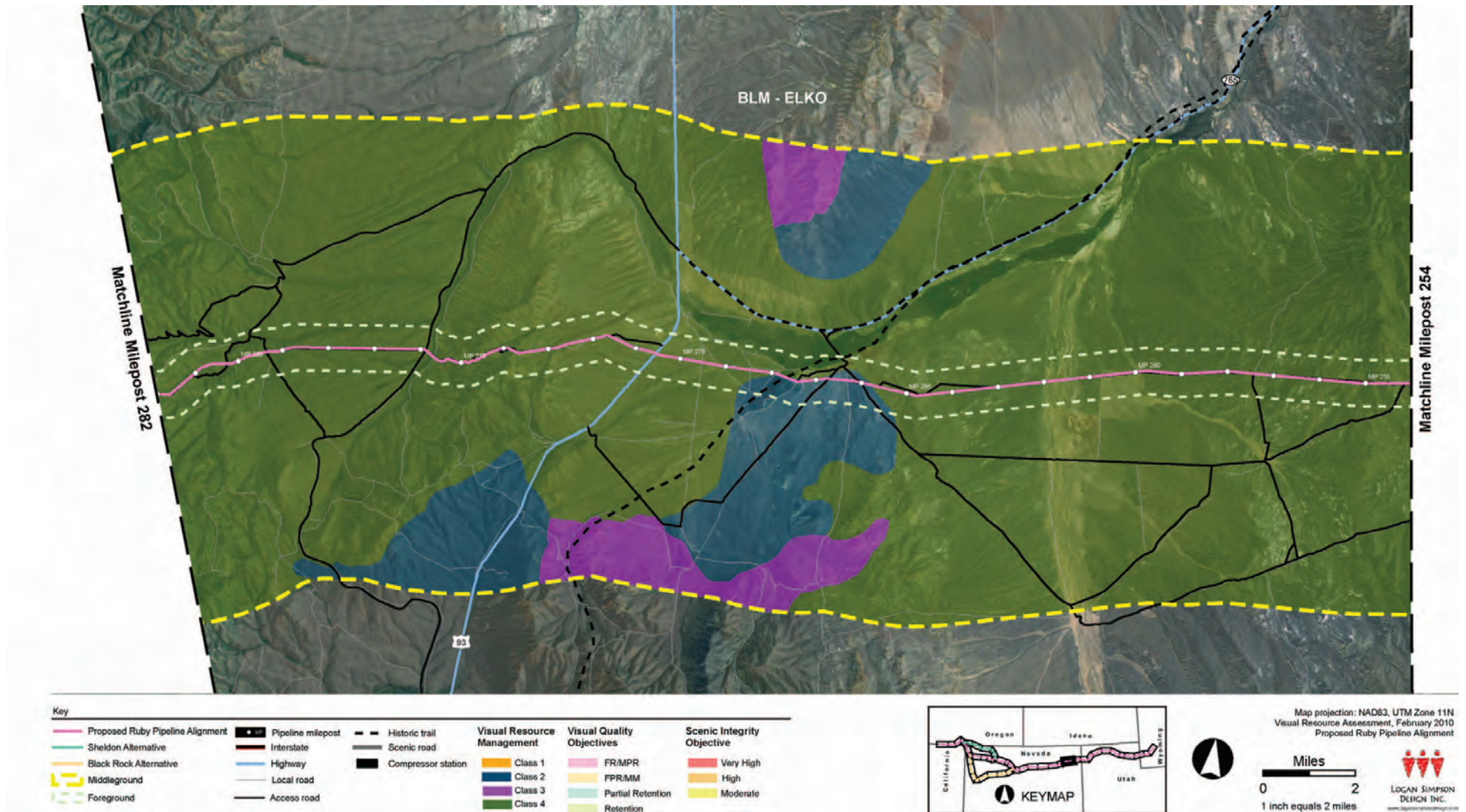


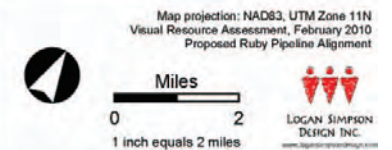
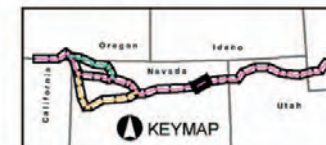
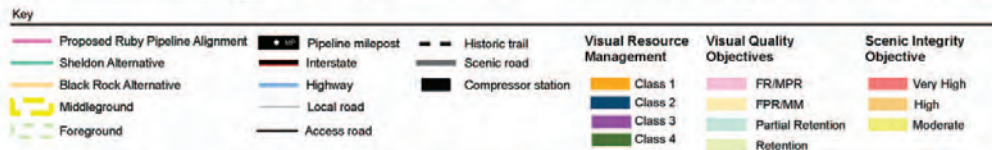
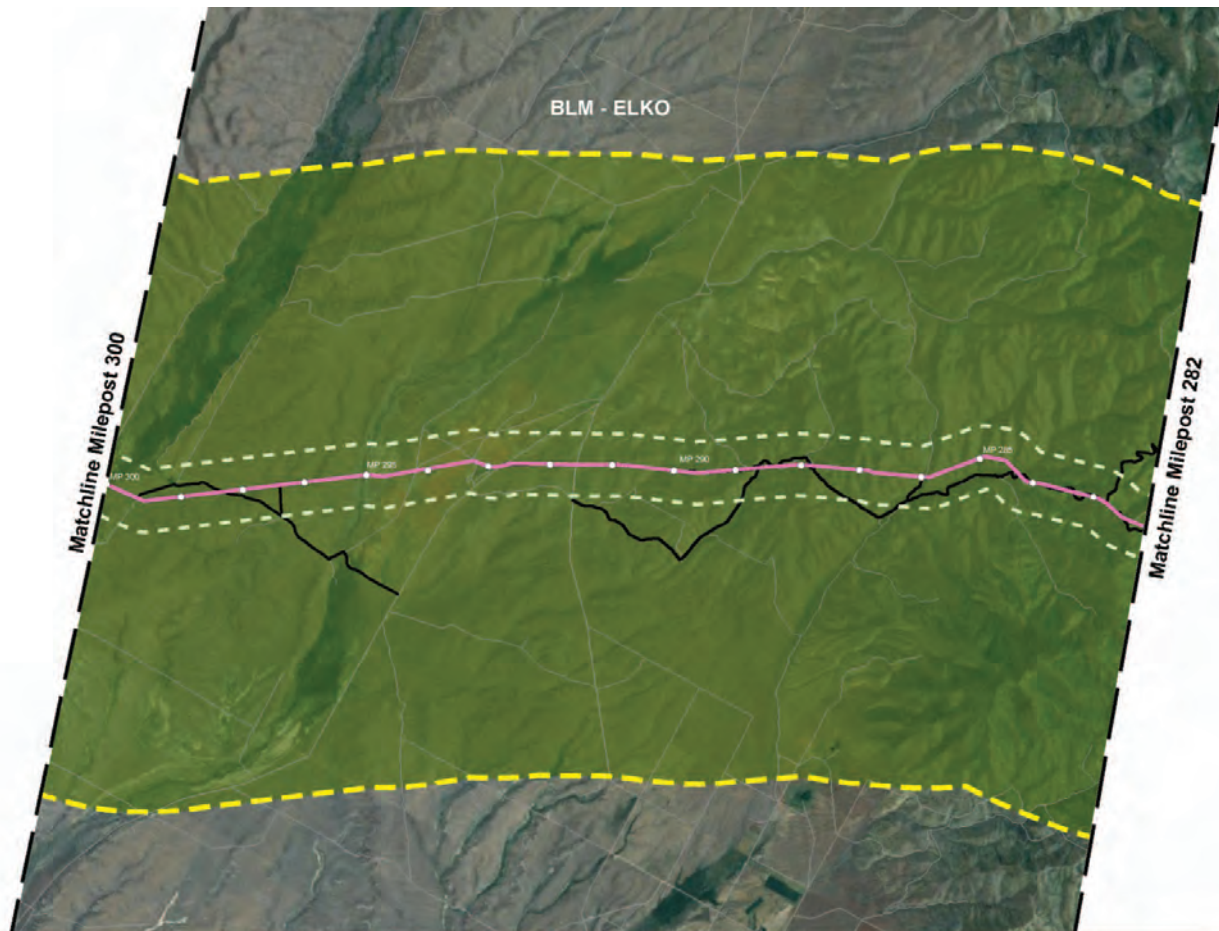




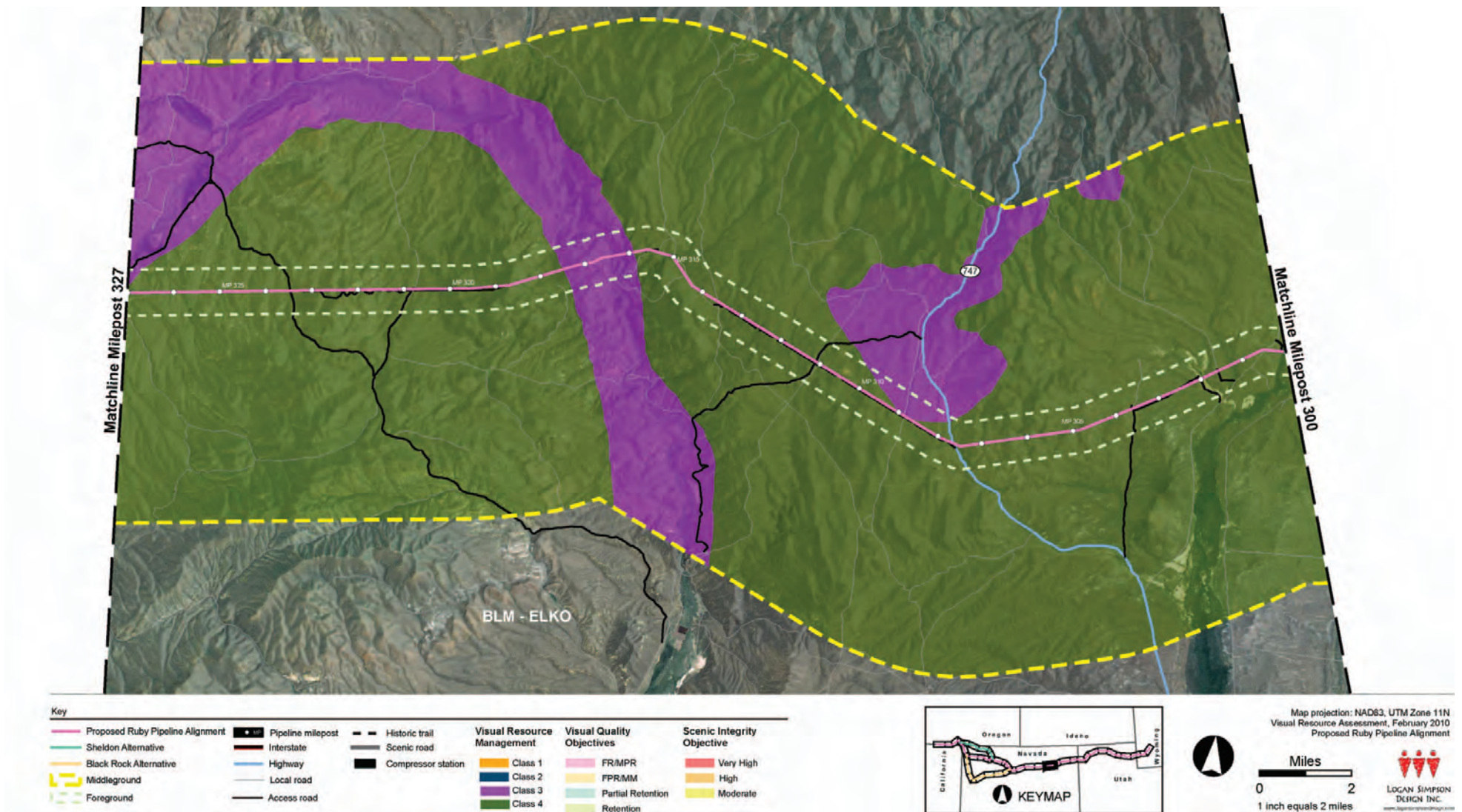




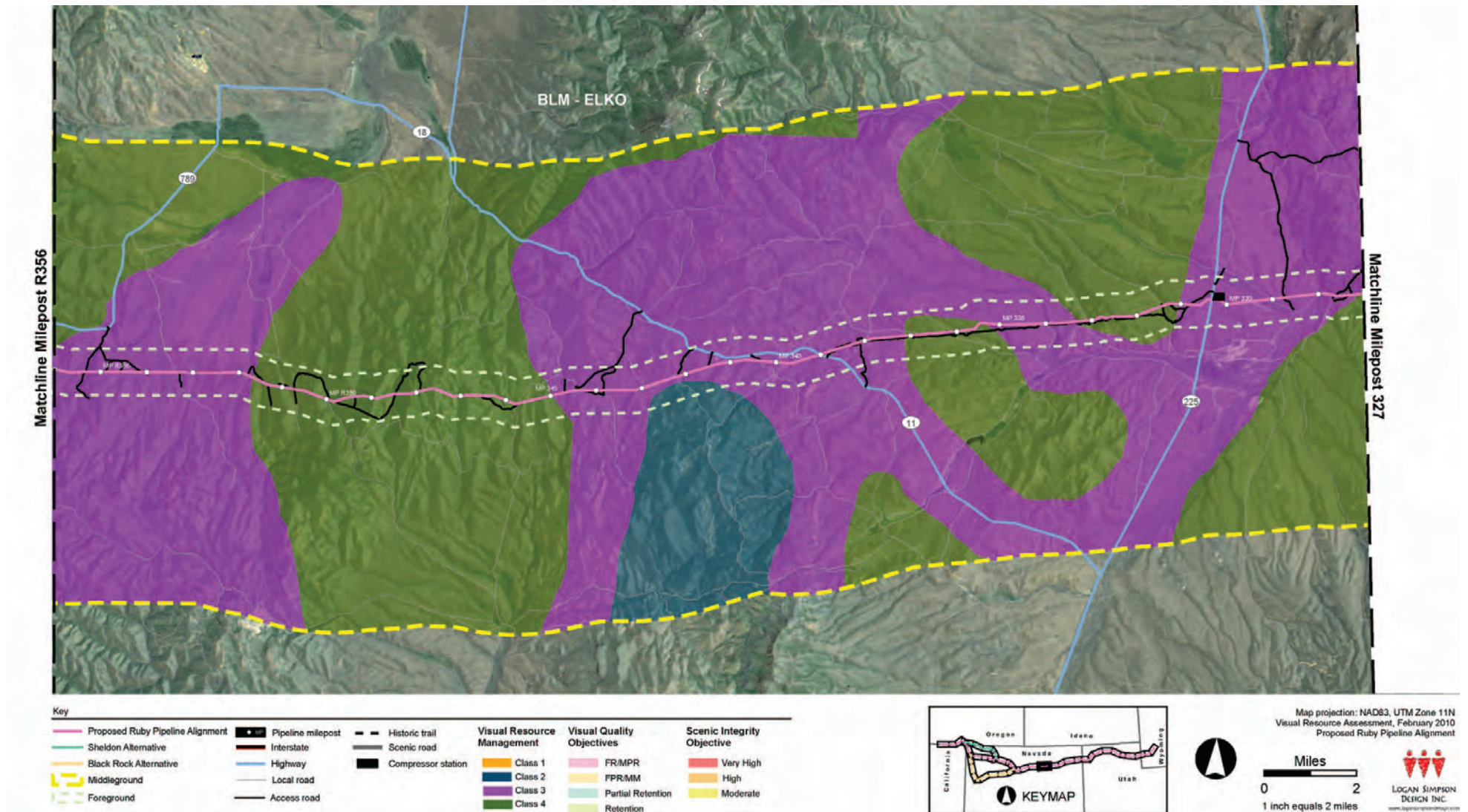




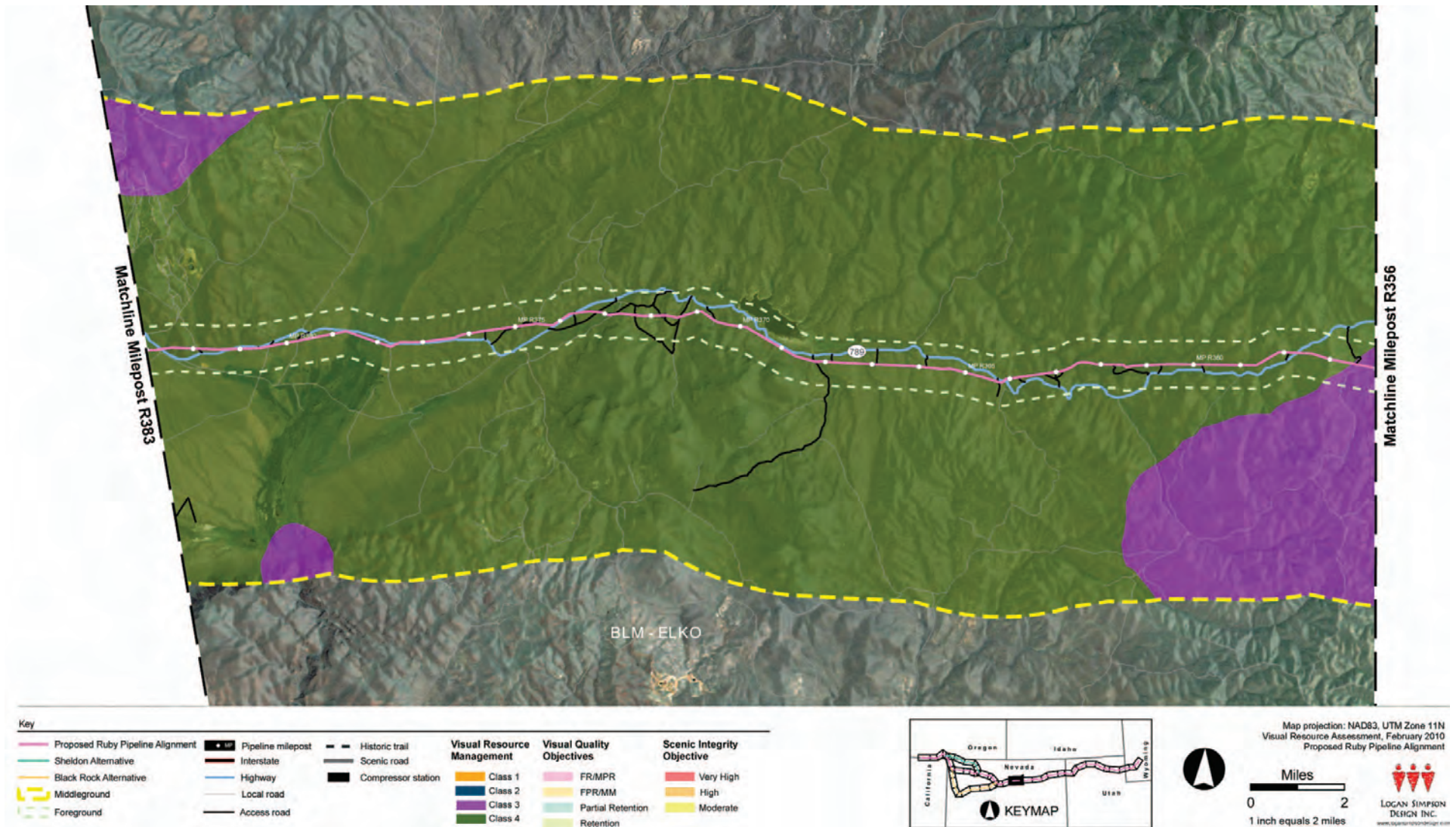


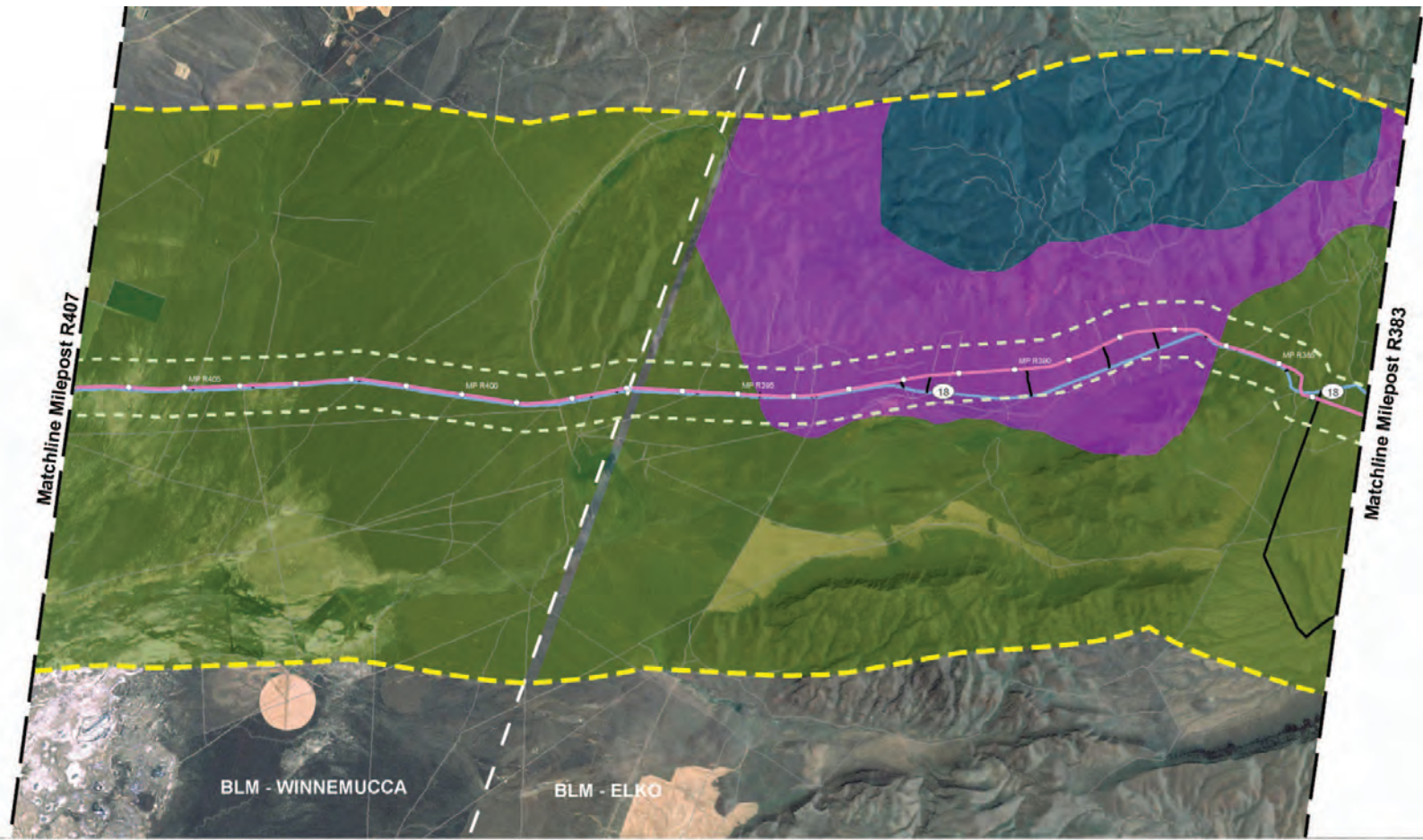




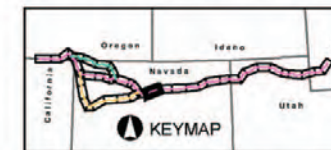








|                                   |                   |                    |
|-----------------------------------|-------------------|--------------------|
| <b>Key</b>                        |                   |                    |
| Proposed Ruby Pipeline Alignment  | Pipeline milepost | Historic trail     |
| Sheldon Alternative               | Interstate        | Scenic road        |
| Black Rock Alternative            | Highway           | Compressor station |
| Middleground                      | Local road        |                    |
| Foreground                        | Access road       |                    |
| <b>Visual Resource Management</b> |                   |                    |
|                                   | Class 1           | Class 2            |
|                                   | Class 3           | Class 4            |
| <b>Visual Quality Objectives</b>  |                   |                    |
|                                   | FR/MPR            | FPR/MM             |
|                                   | Partial Retention | Retention          |
| <b>Scenic Integrity Objective</b> |                   |                    |
|                                   | Very High         | High               |
|                                   | Moderate          |                    |

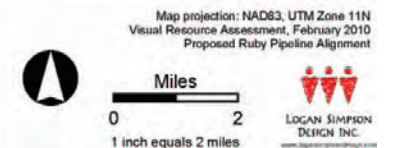
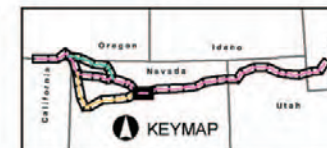
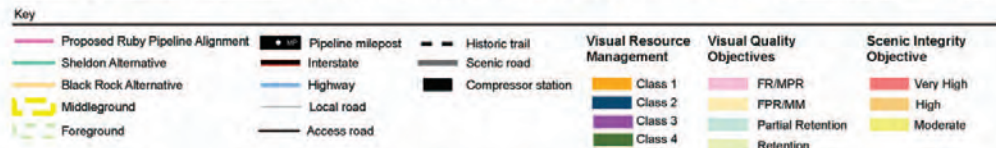
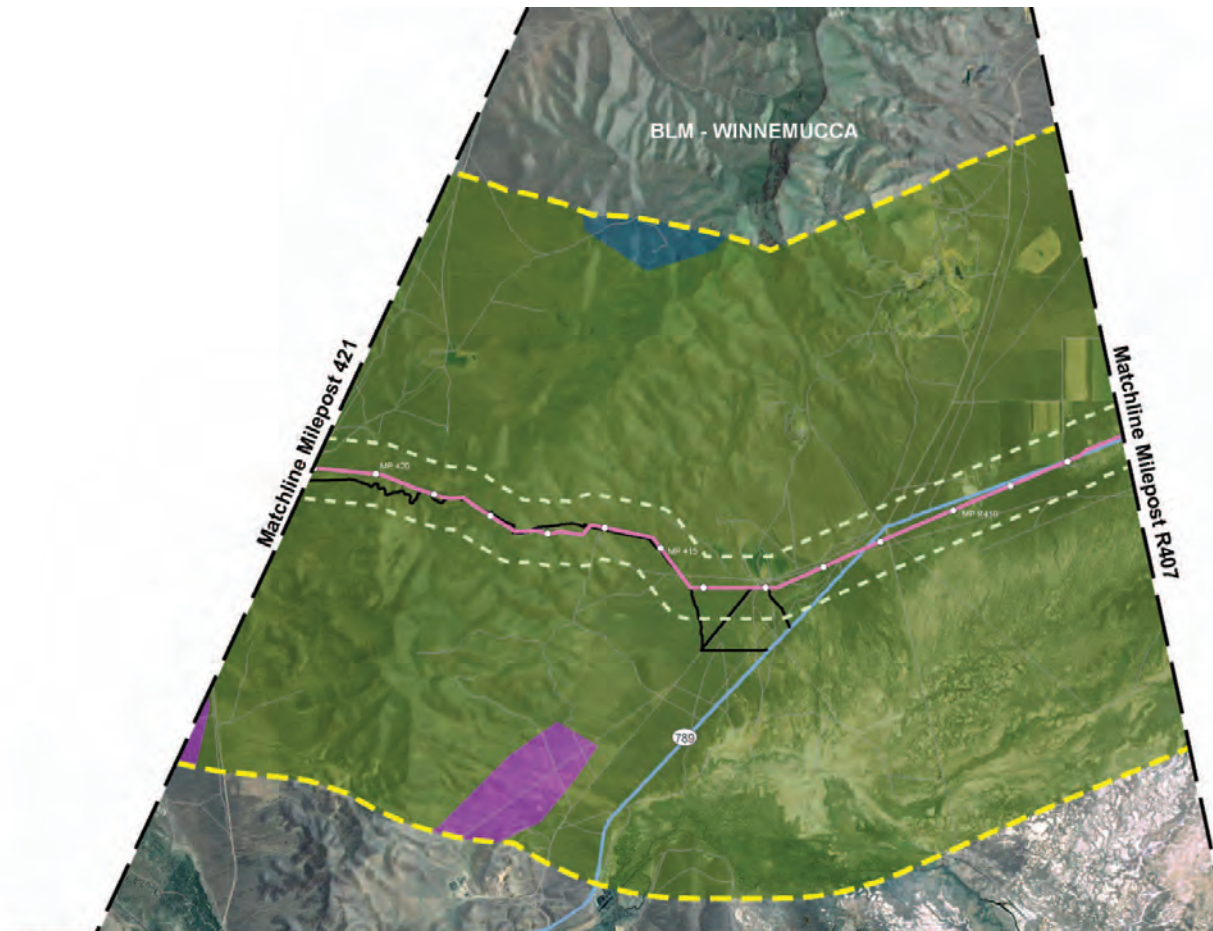


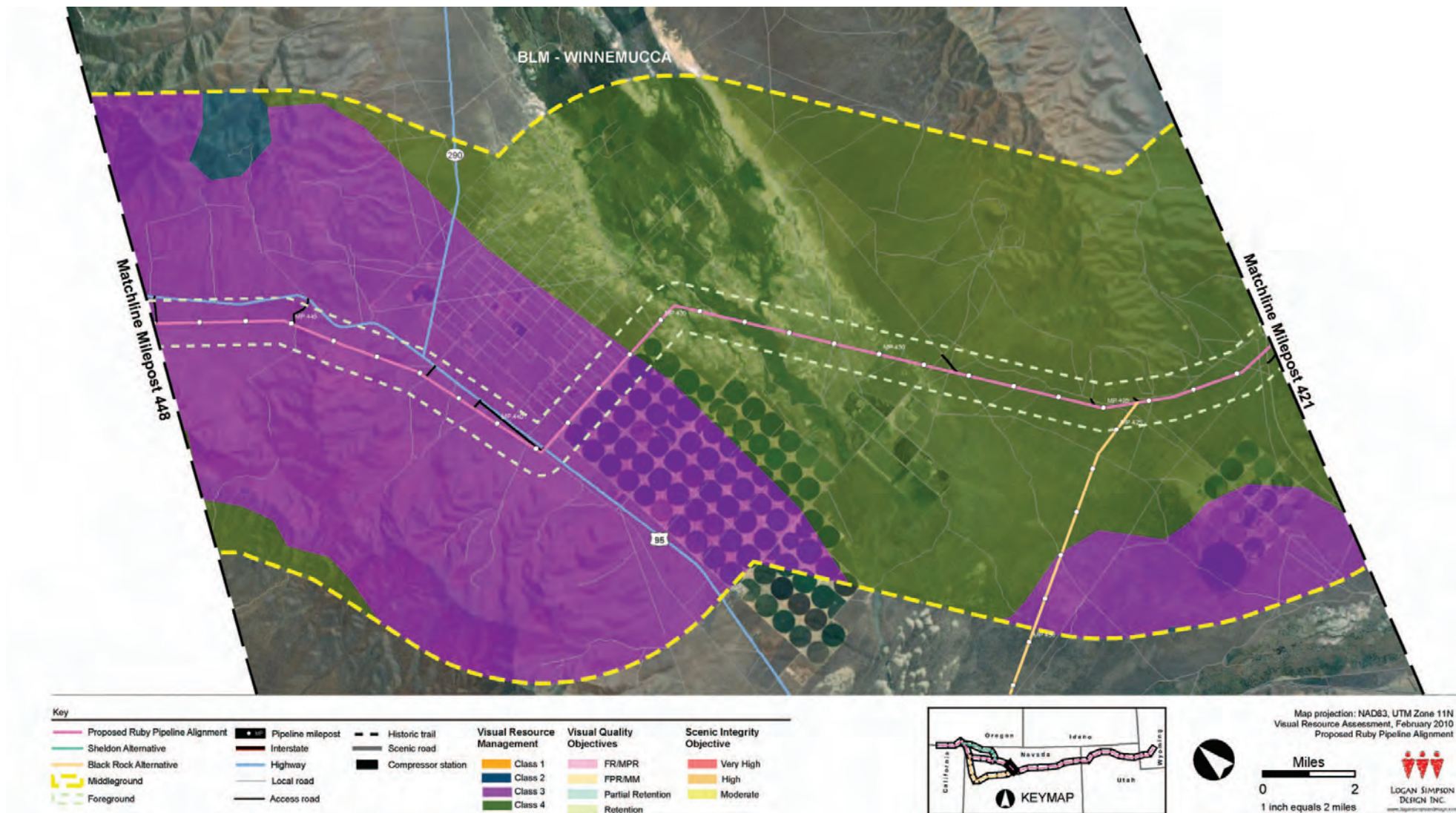
Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment

**Miles**  
 0 2  
 1 inch equals 2 miles

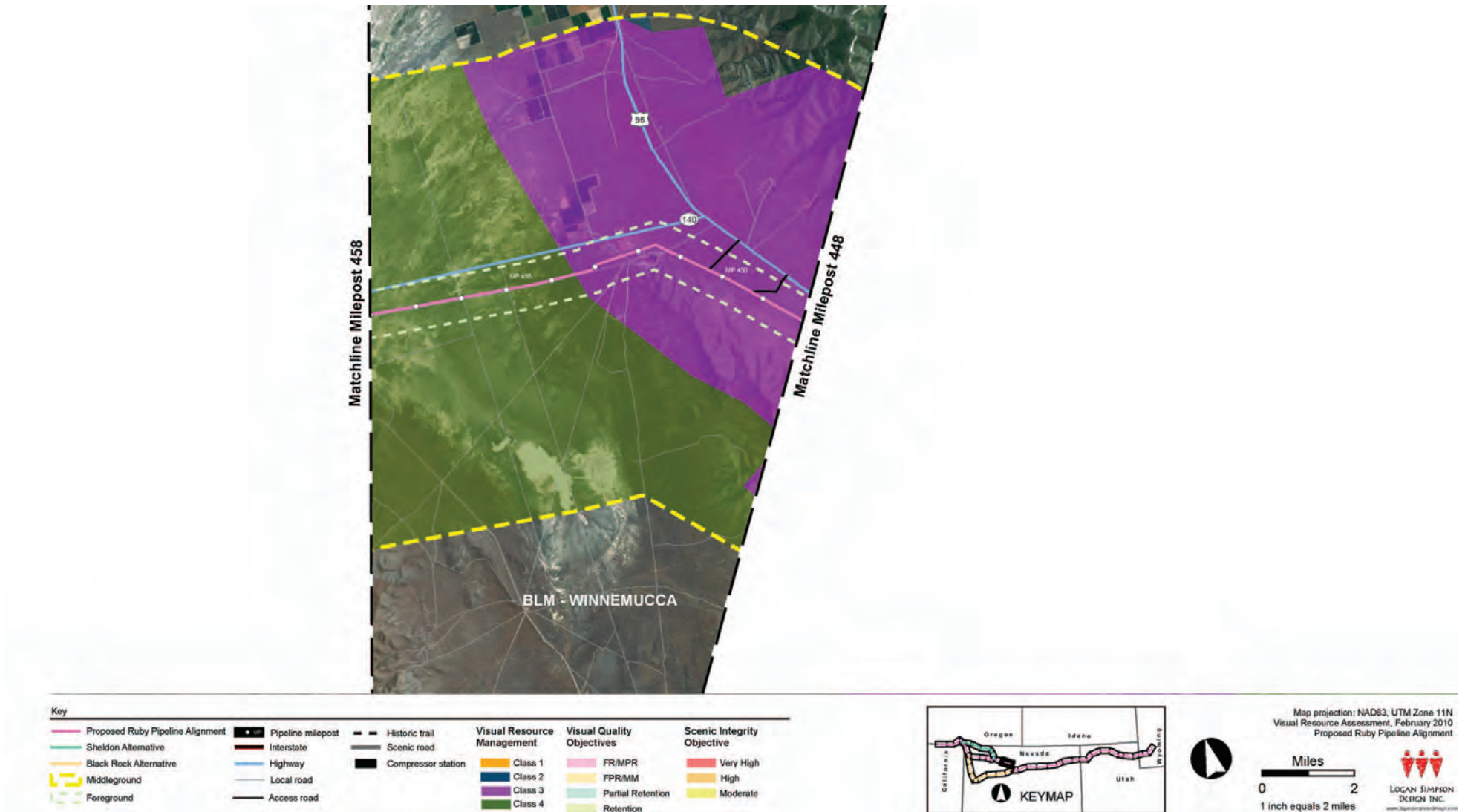
**LOGAN SIMPSON DESIGN INC.**  
[www.logansimpsondesign.com](http://www.logansimpsondesign.com)

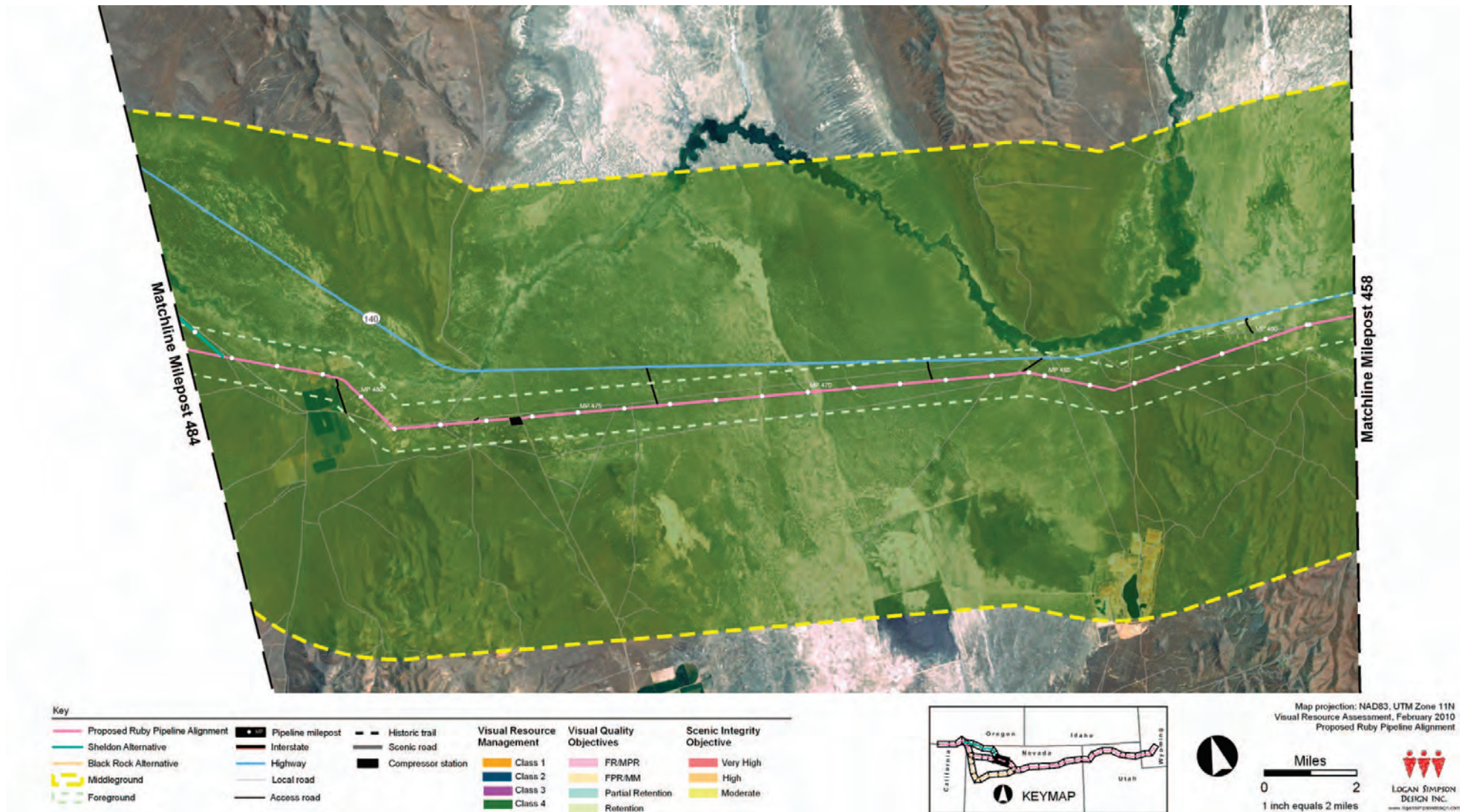




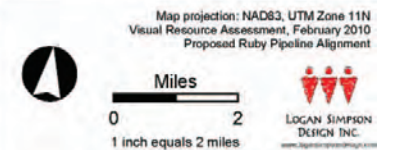
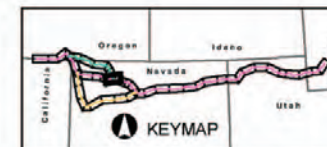
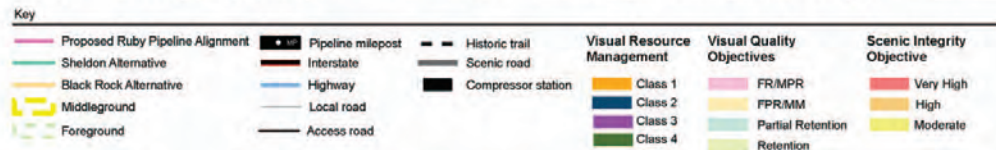
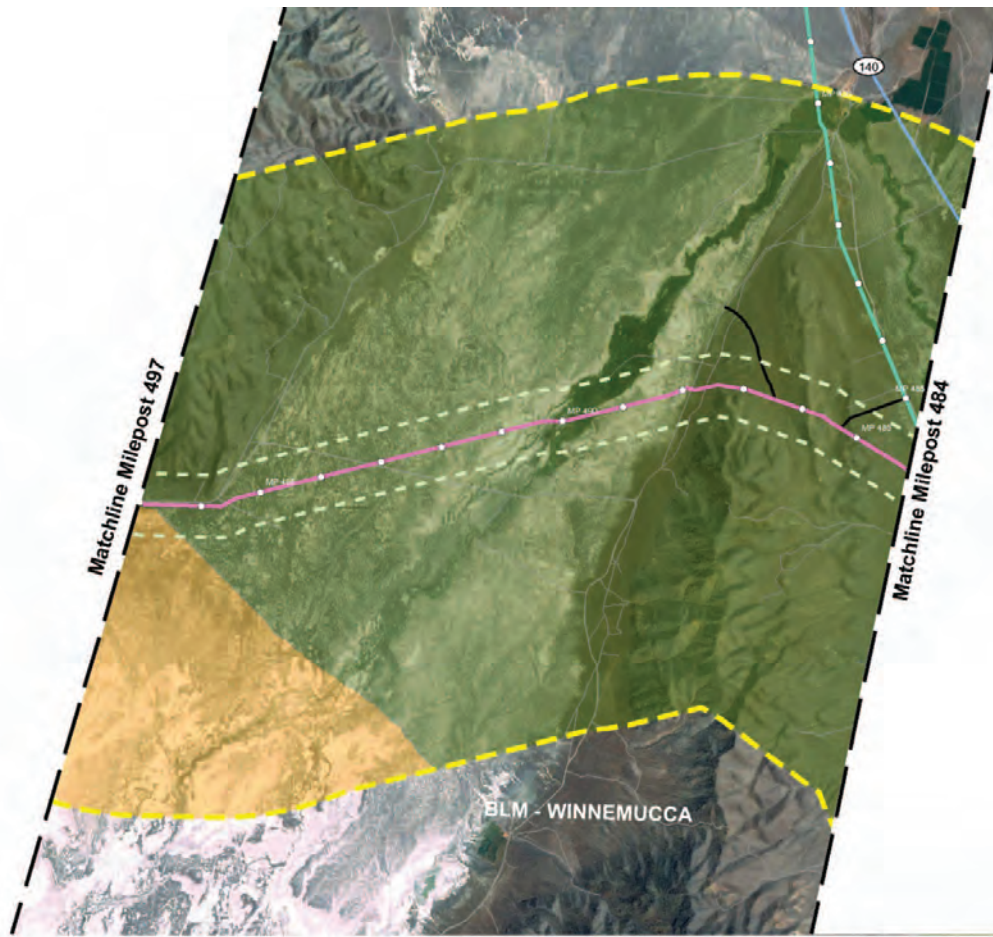


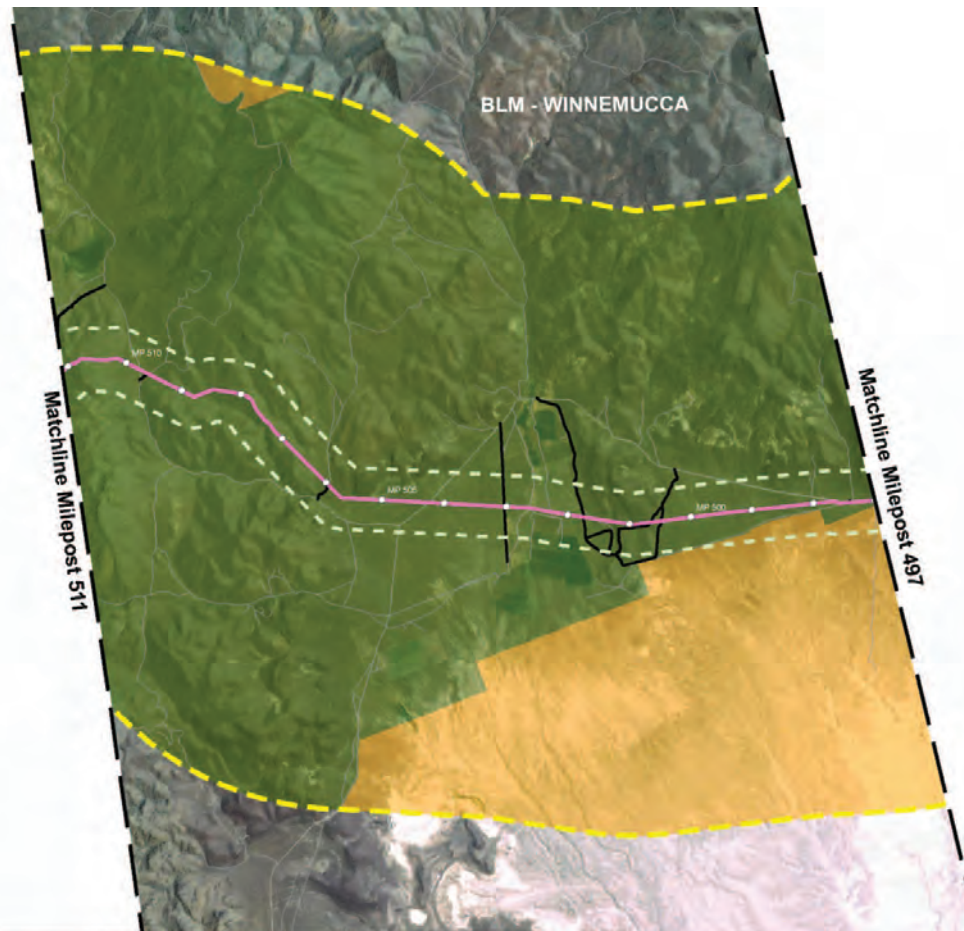




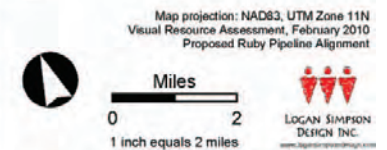
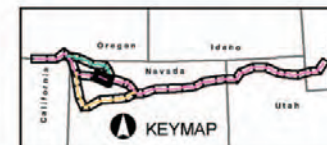




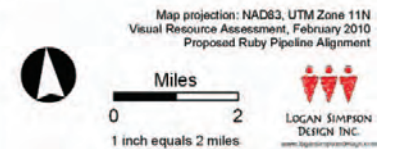
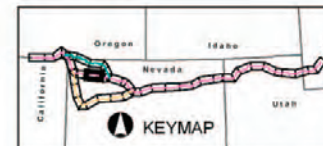
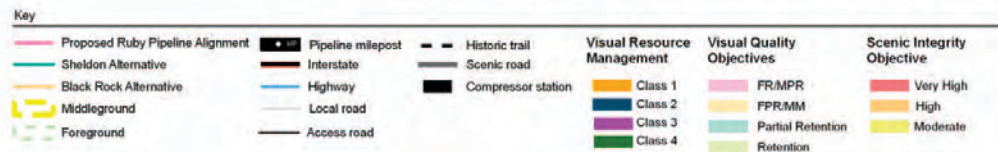
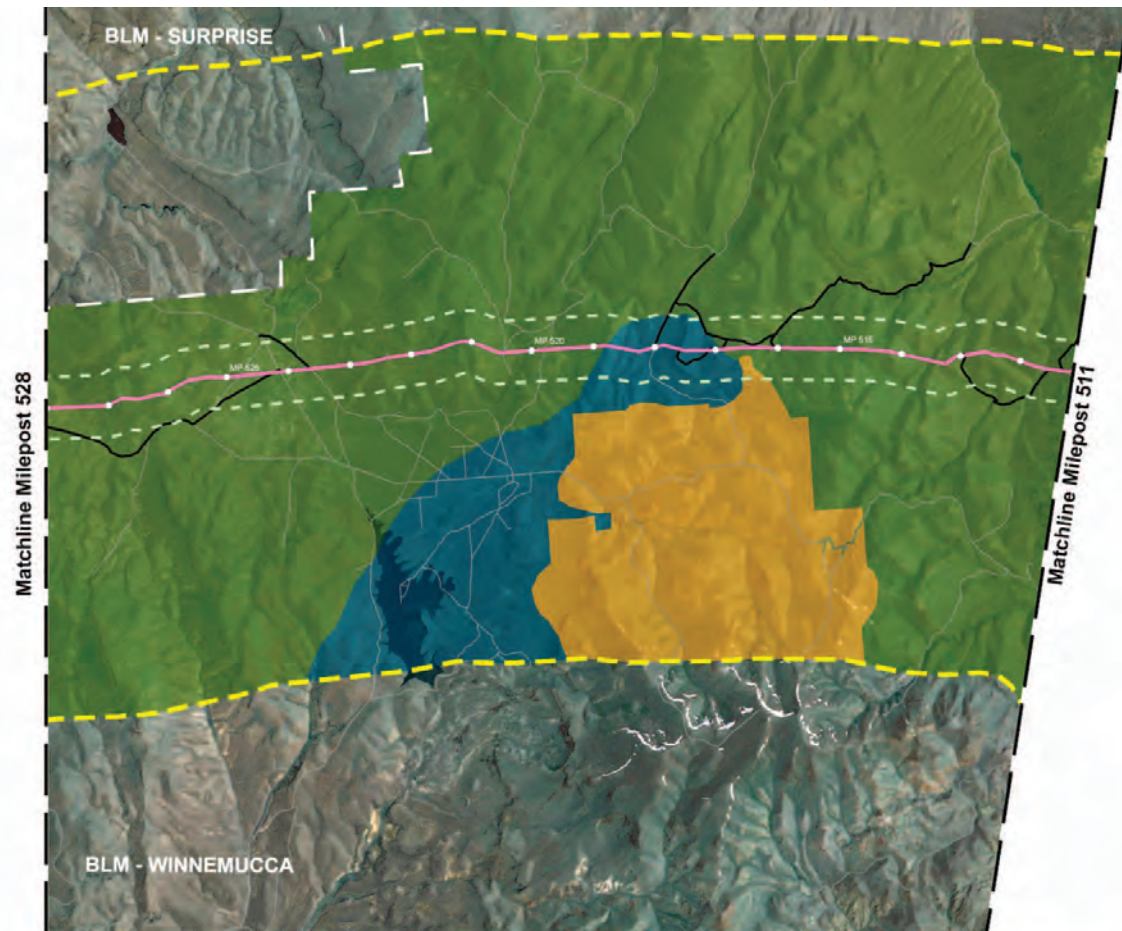


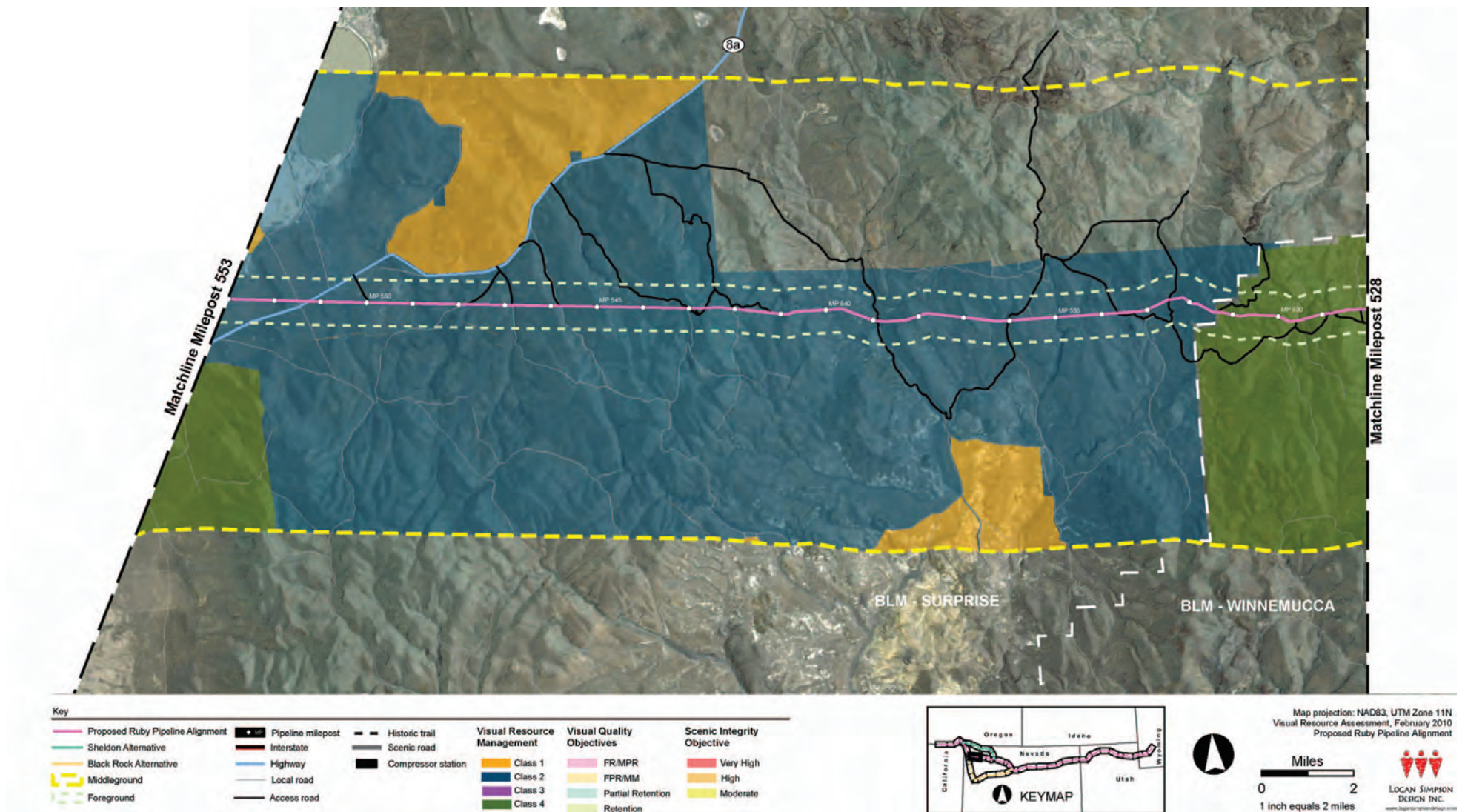


| Key  |  |   |   |  |  |
|--|--|---|---|--|--|
| <span style="color: pink;">—</span> Proposed Ruby Pipeline Alignment | <span style="color: black;">—•—</span> Pipeline milepost | <span style="color: black;">- - -</span> Historic trail | <b>Visual Resource Management</b>               |  |  |
| <span style="color: teal;">—</span> Sheldon Alternative              | <span style="color: black;">=</span> Interstate          | <span style="color: grey;">- - -</span> Scenic road     | <span style="color: orange;">■</span> Class 1   | <span style="color: pink;">■</span> FR/MPR                 | <b>Scenic Integrity Objective</b>              |
| <span style="color: yellow;">—</span> Black Rock Alternative         | <span style="color: blue;">—</span> Highway              | <span style="color: black;">■</span> Compressor station | <span style="color: darkblue;">■</span> Class 2 | <span style="color: yellow;">■</span> FPR/MM               |  |
| <span style="color: yellow;">- - -</span> Middleground               | <span style="color: grey;">—</span> Local road           |   | <span style="color: purple;">■</span> Class 3   | <span style="color: lightblue;">■</span> Partial Retention |  |
| <span style="color: green;">- - -</span> Foreground                  | <span style="color: black;">—</span> Access road         |   | <span style="color: green;">■</span> Class 4    | <span style="color: lightgreen;">■</span> Retention        |  |
|  |  |   |   |  | <span style="color: red;">■</span> Very High   |
|  |  |   |   |  | <span style="color: orange;">■</span> High     |
|  |  |   |   |  | <span style="color: yellow;">■</span> Moderate |

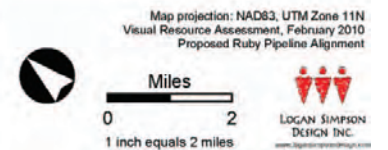
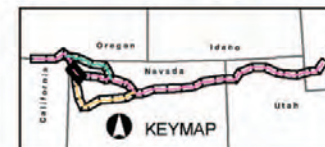
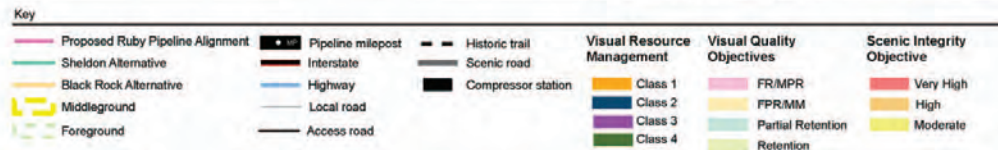


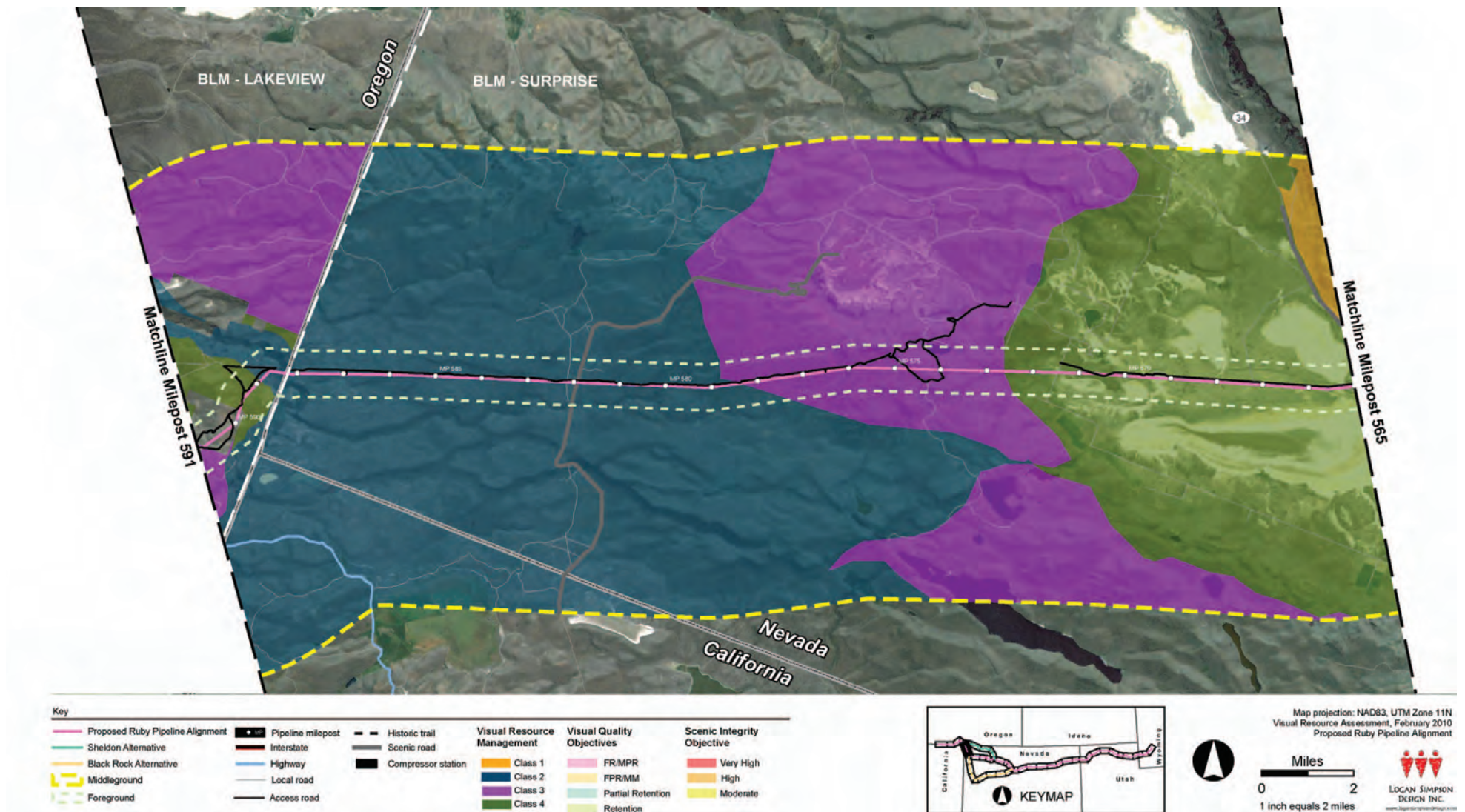




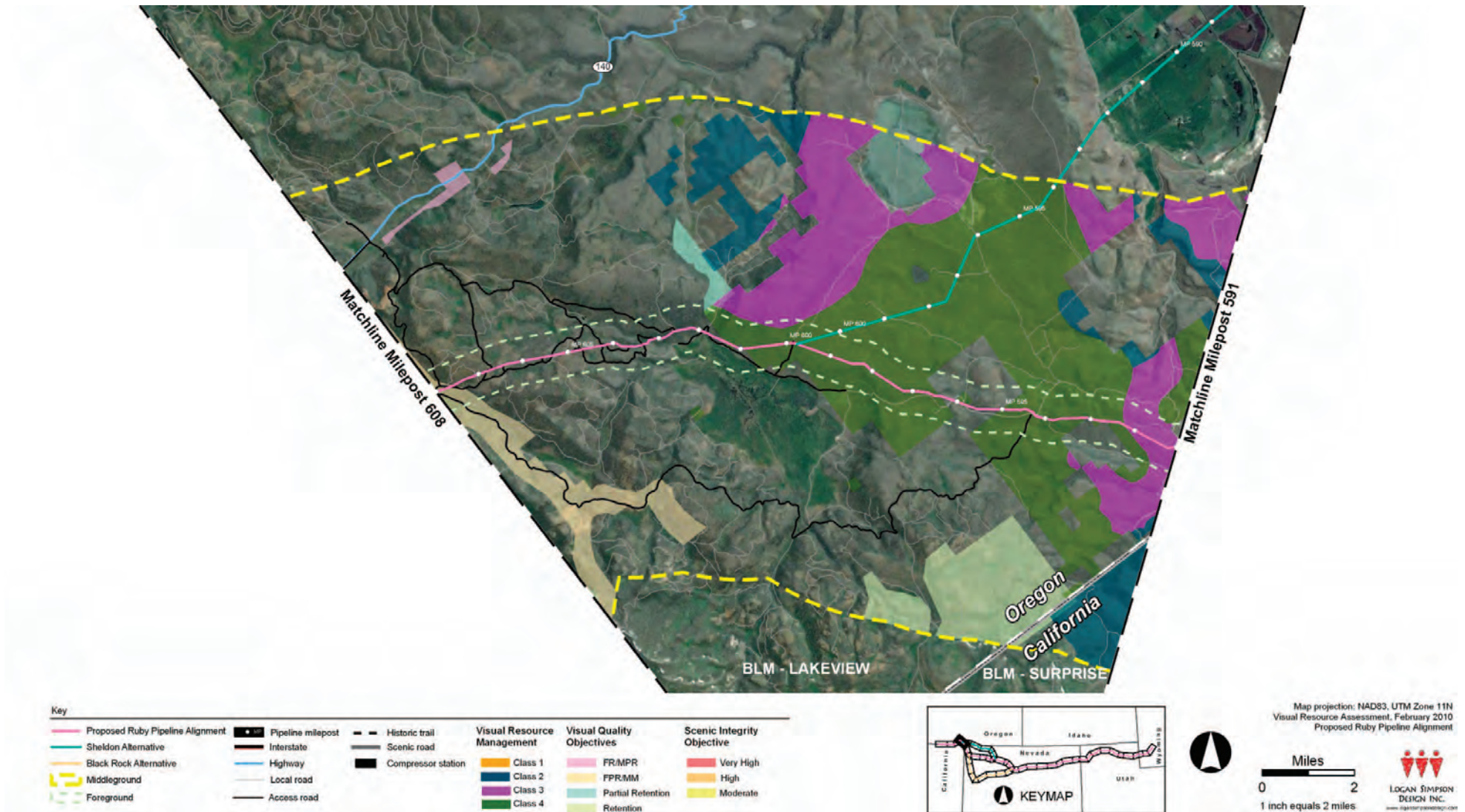


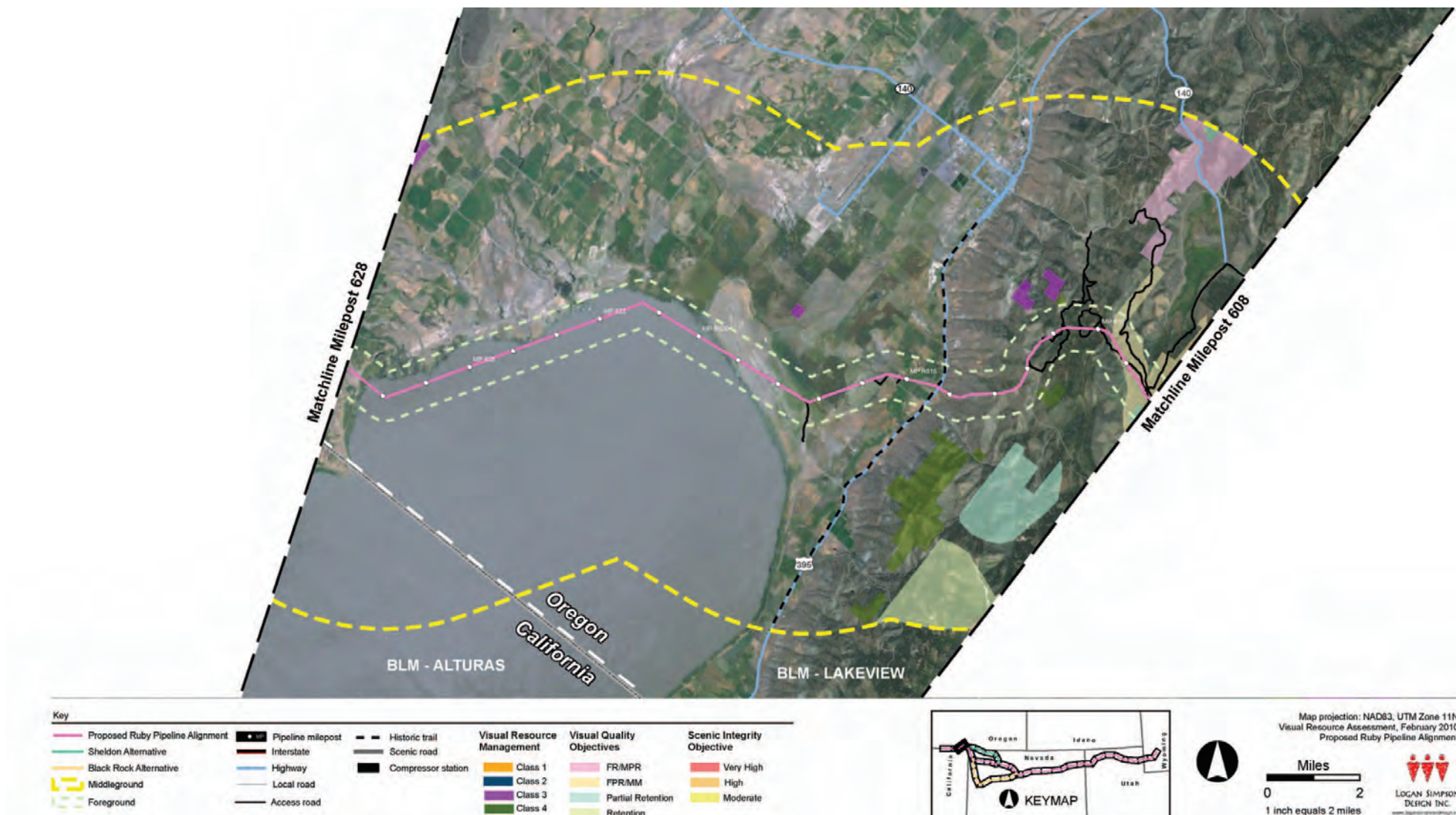




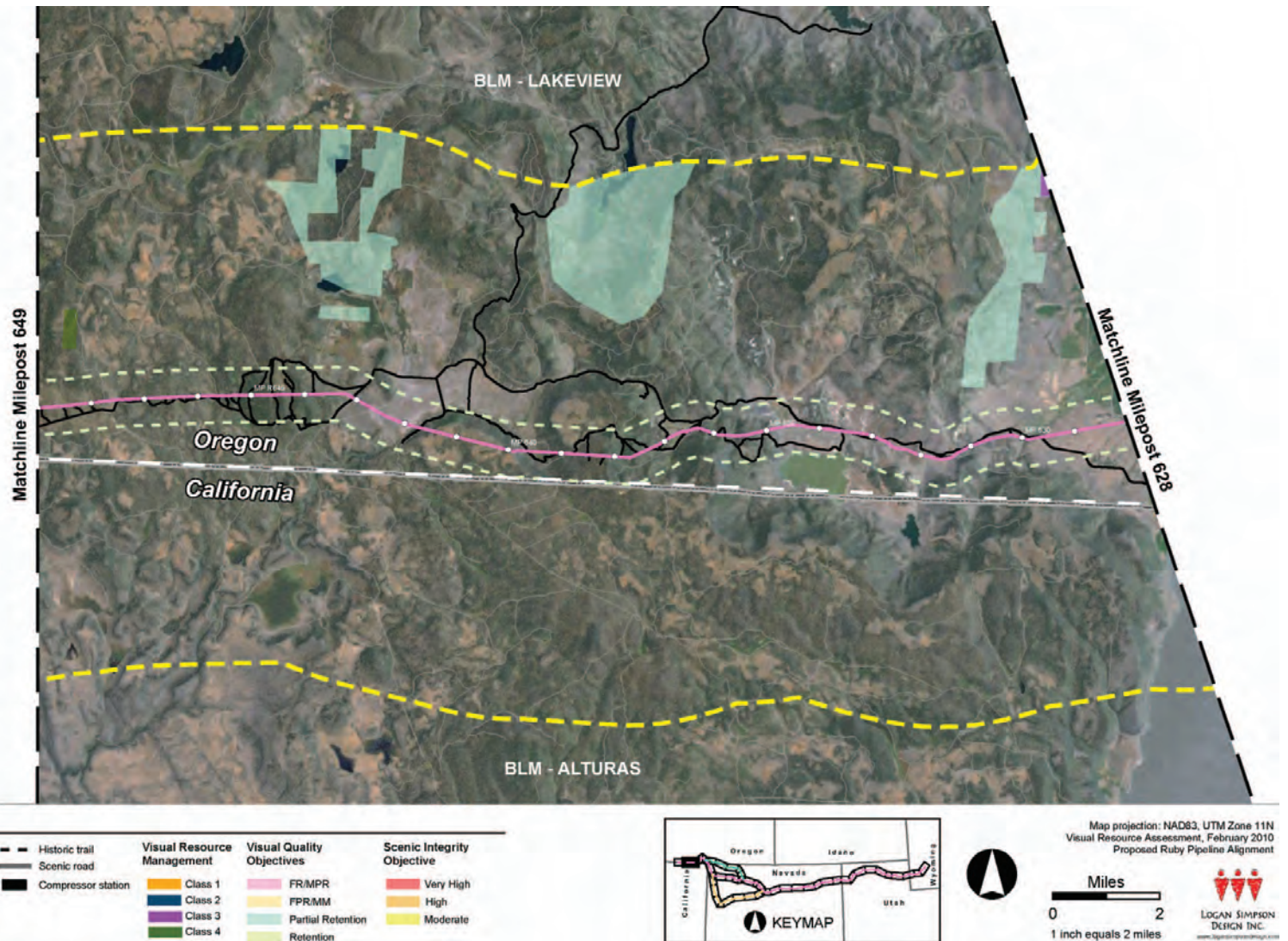




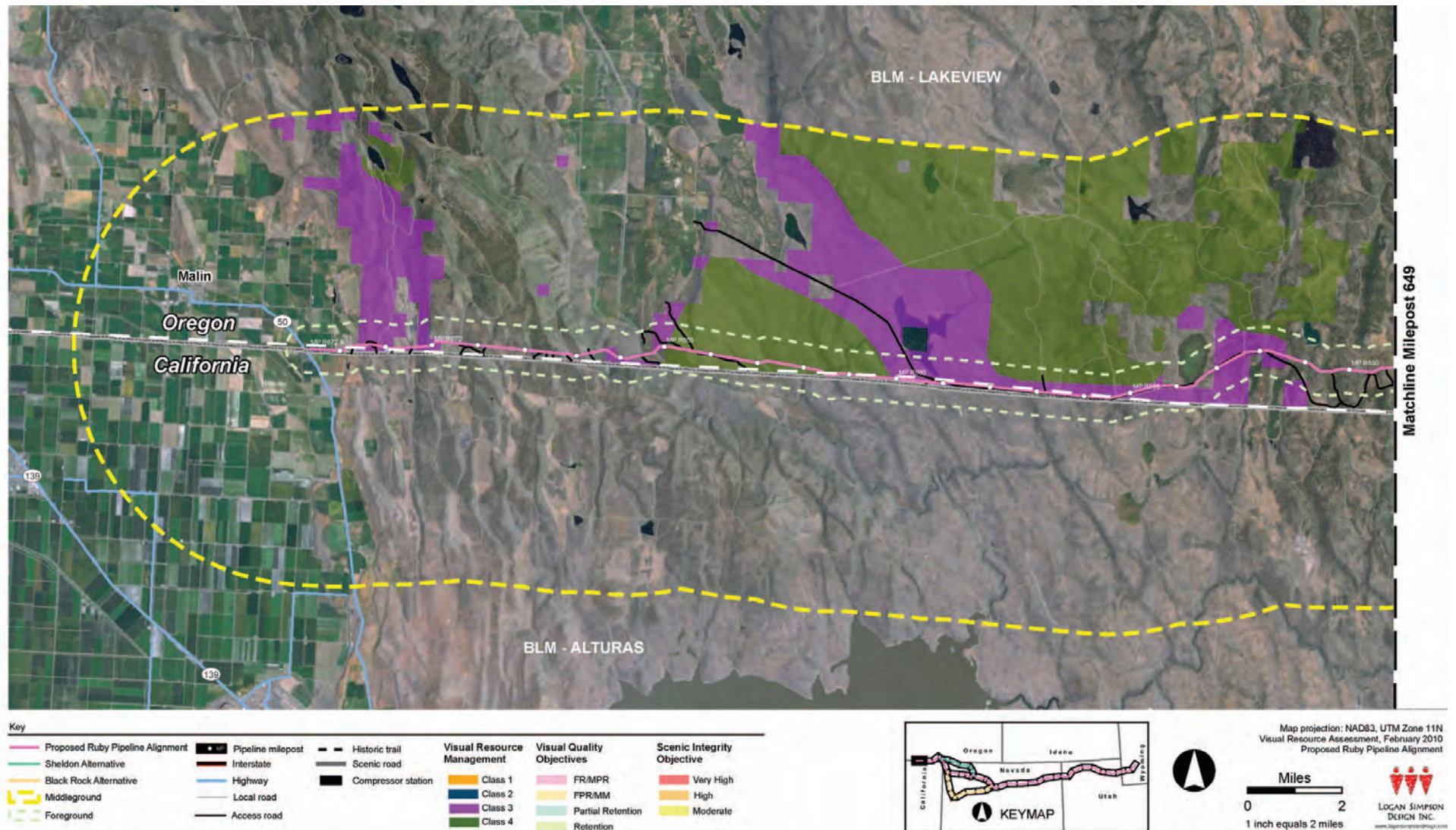




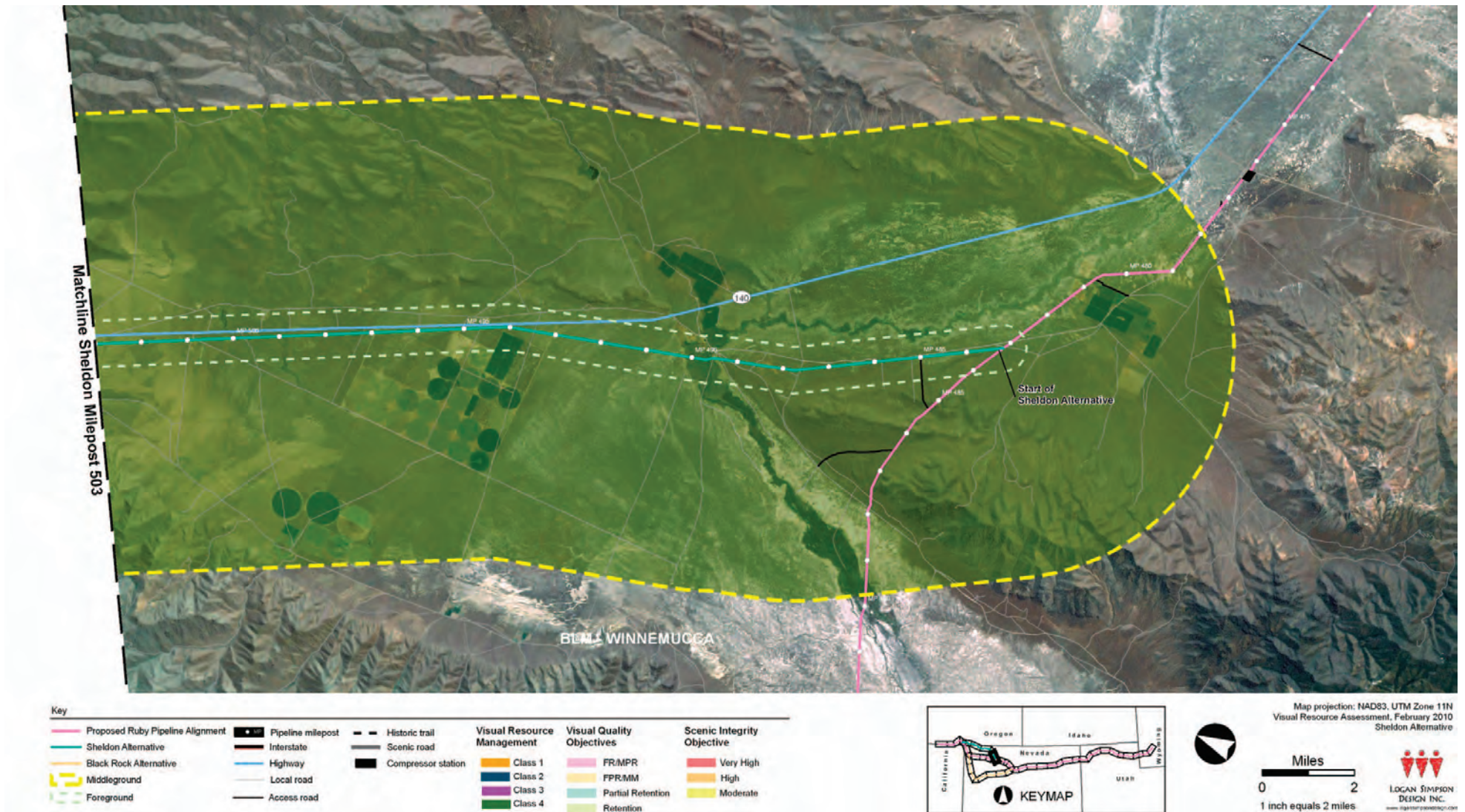


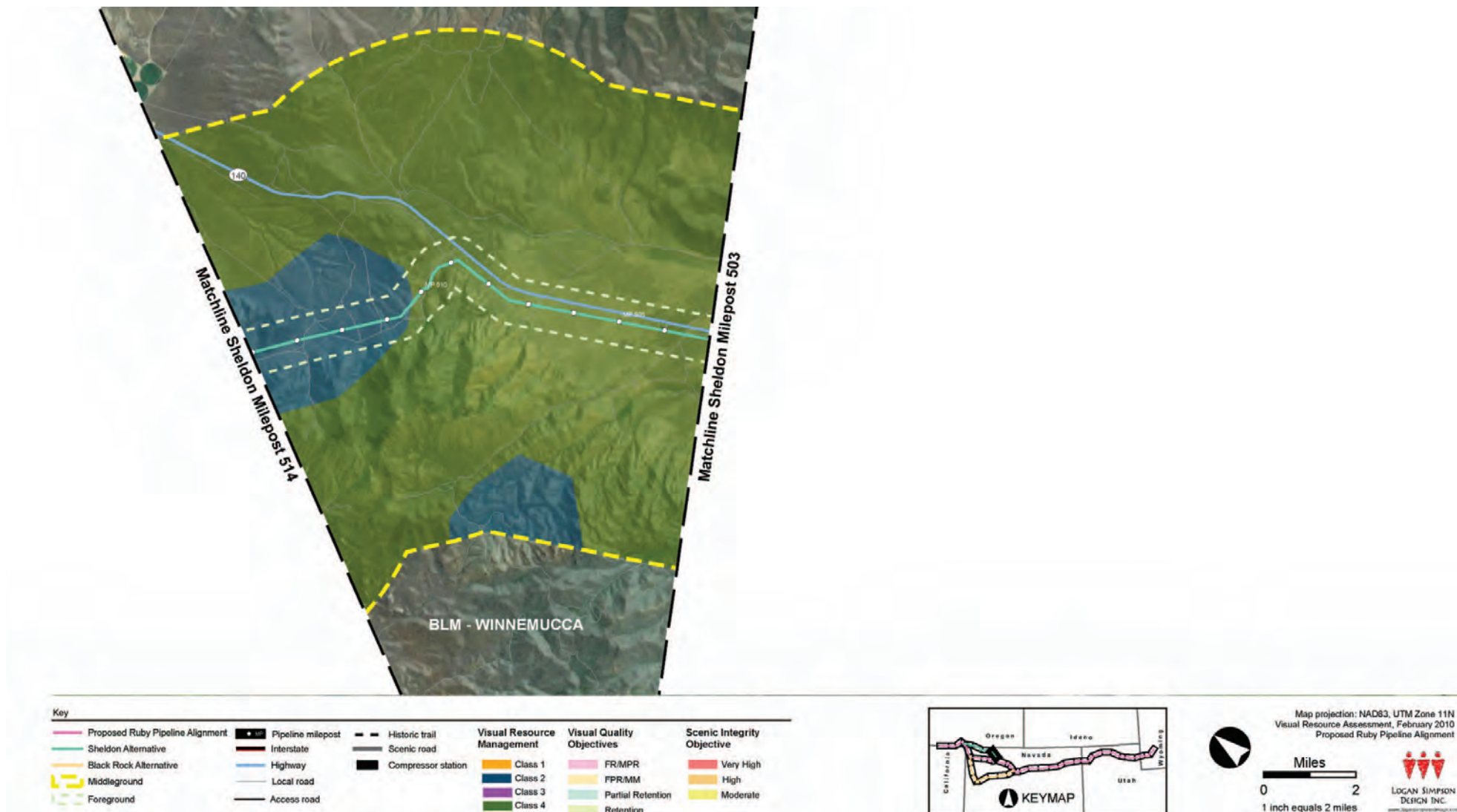




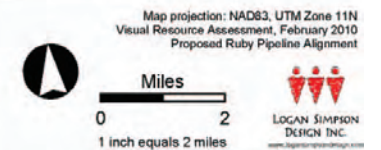
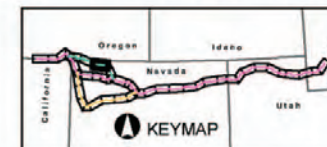
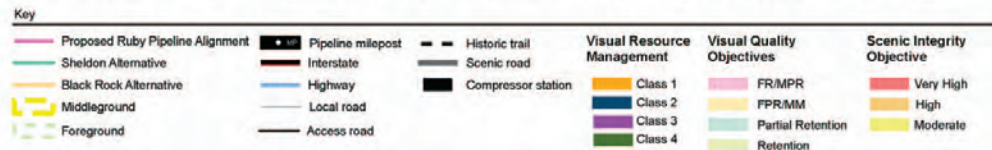
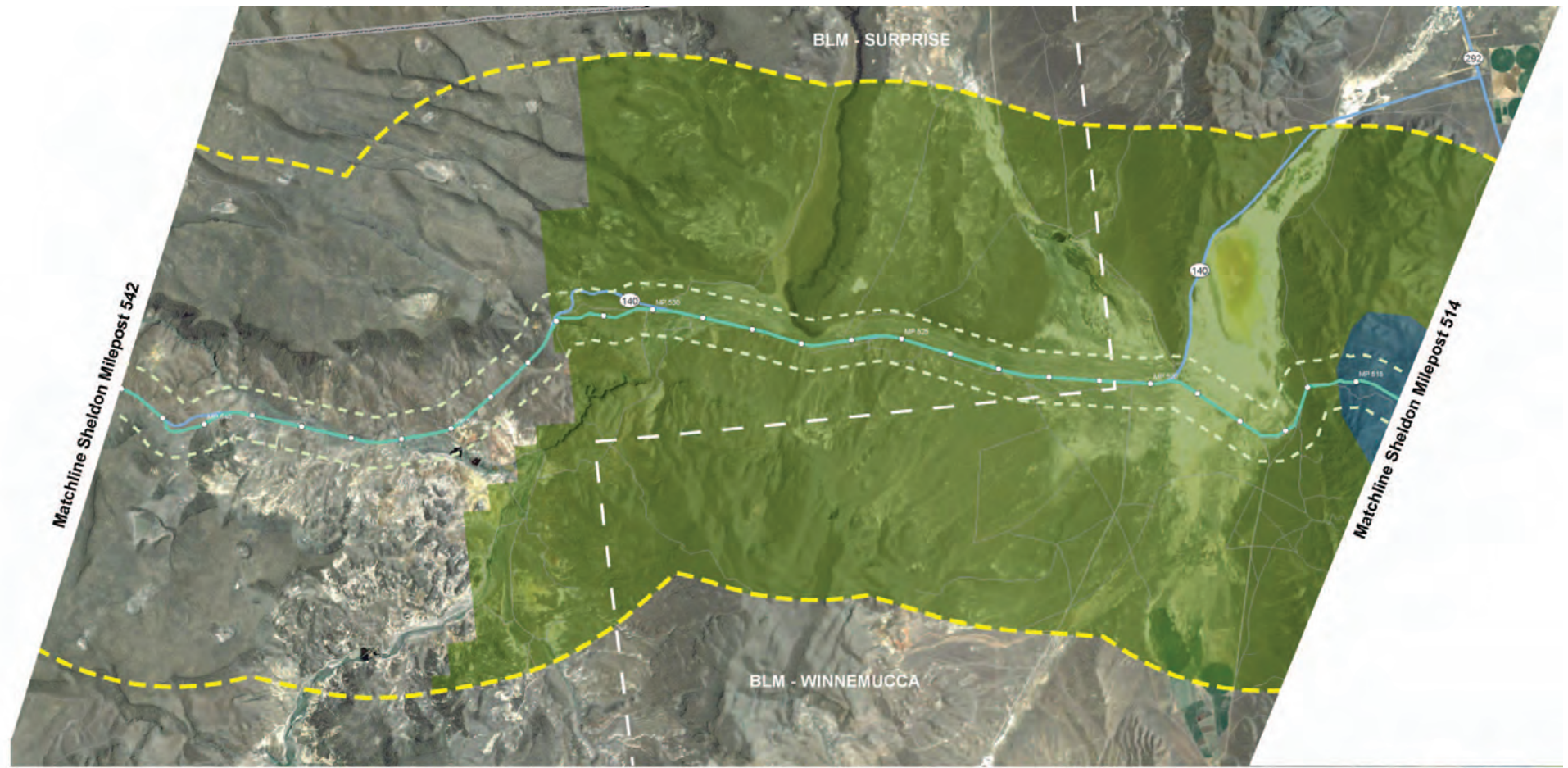




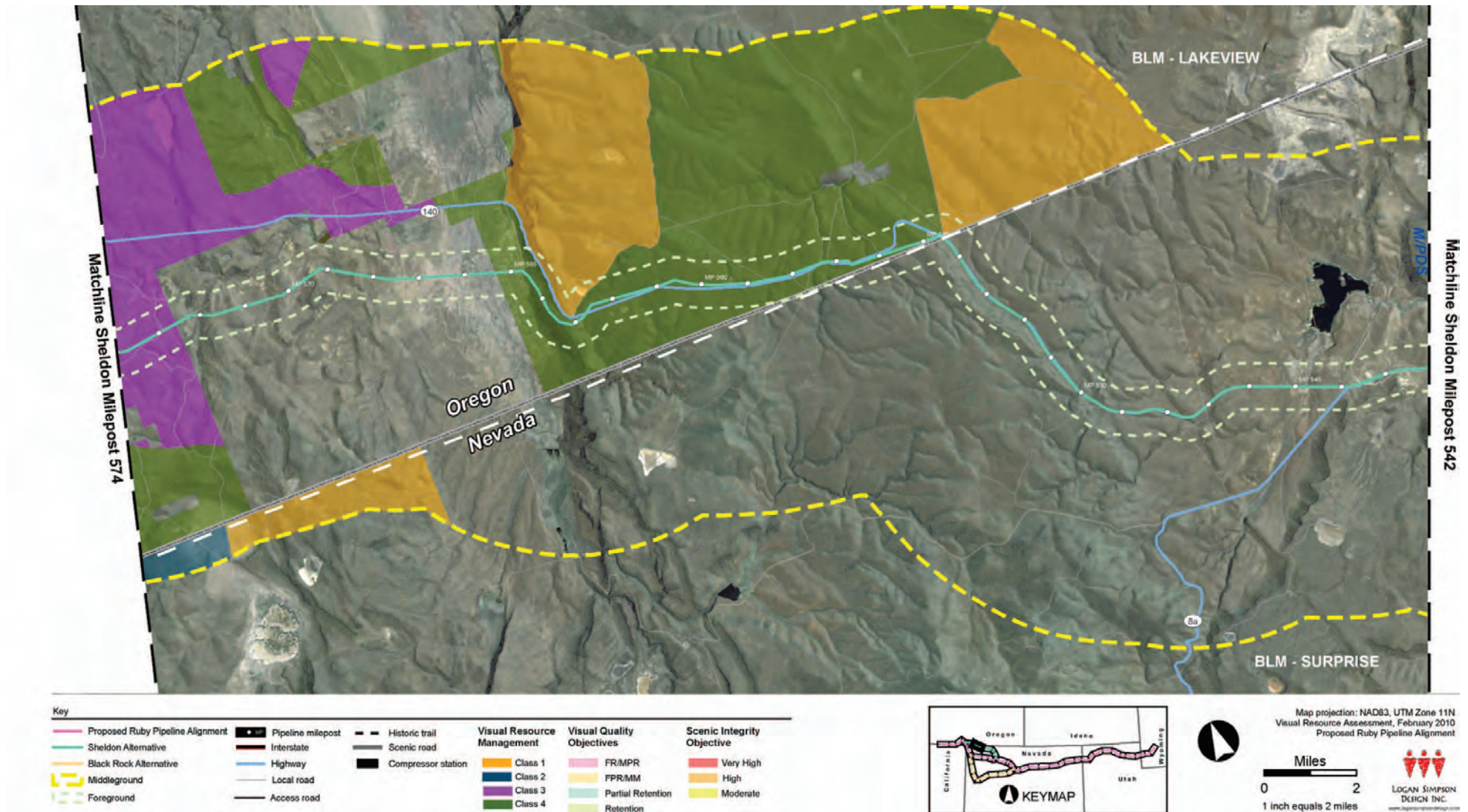




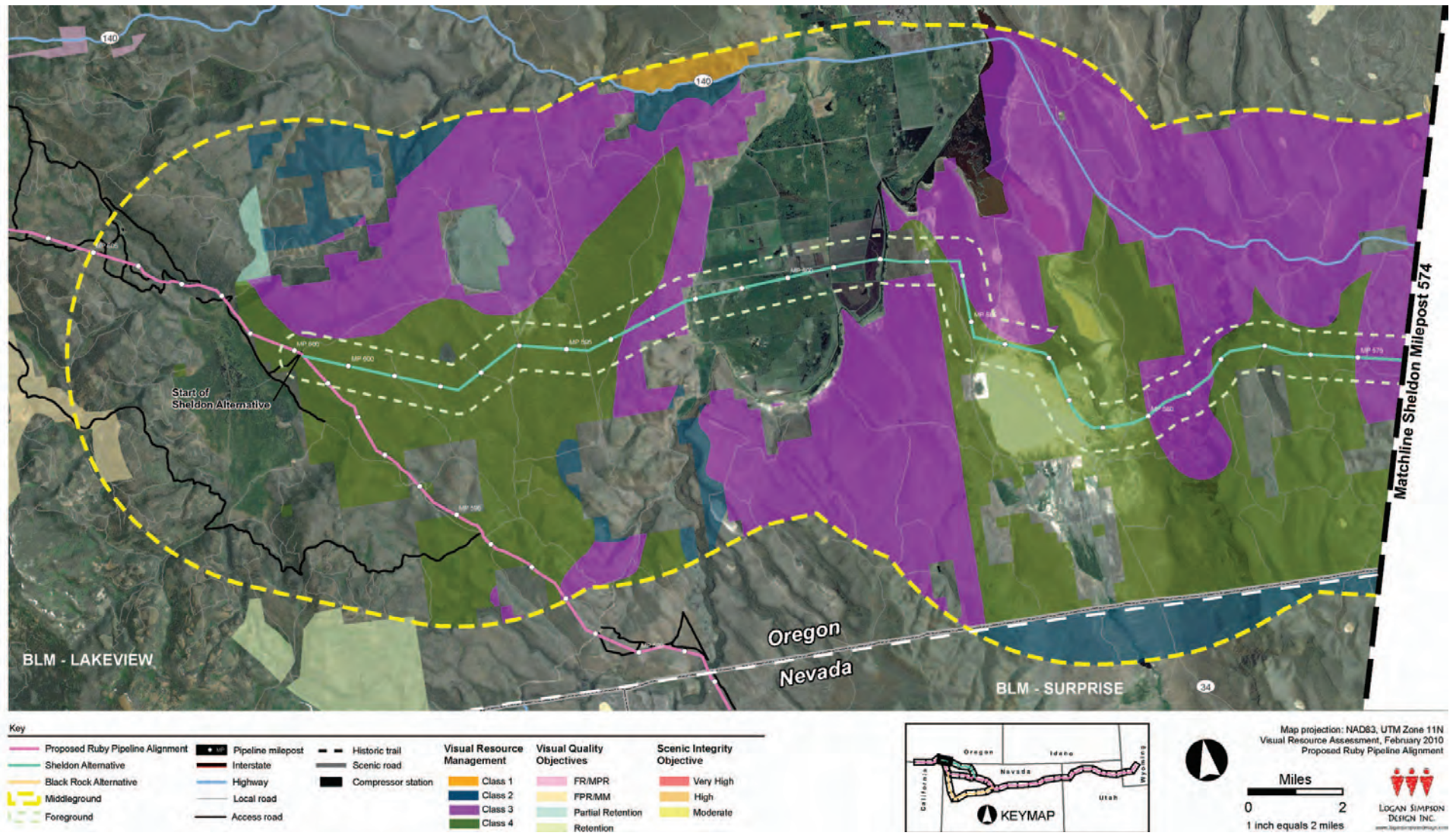




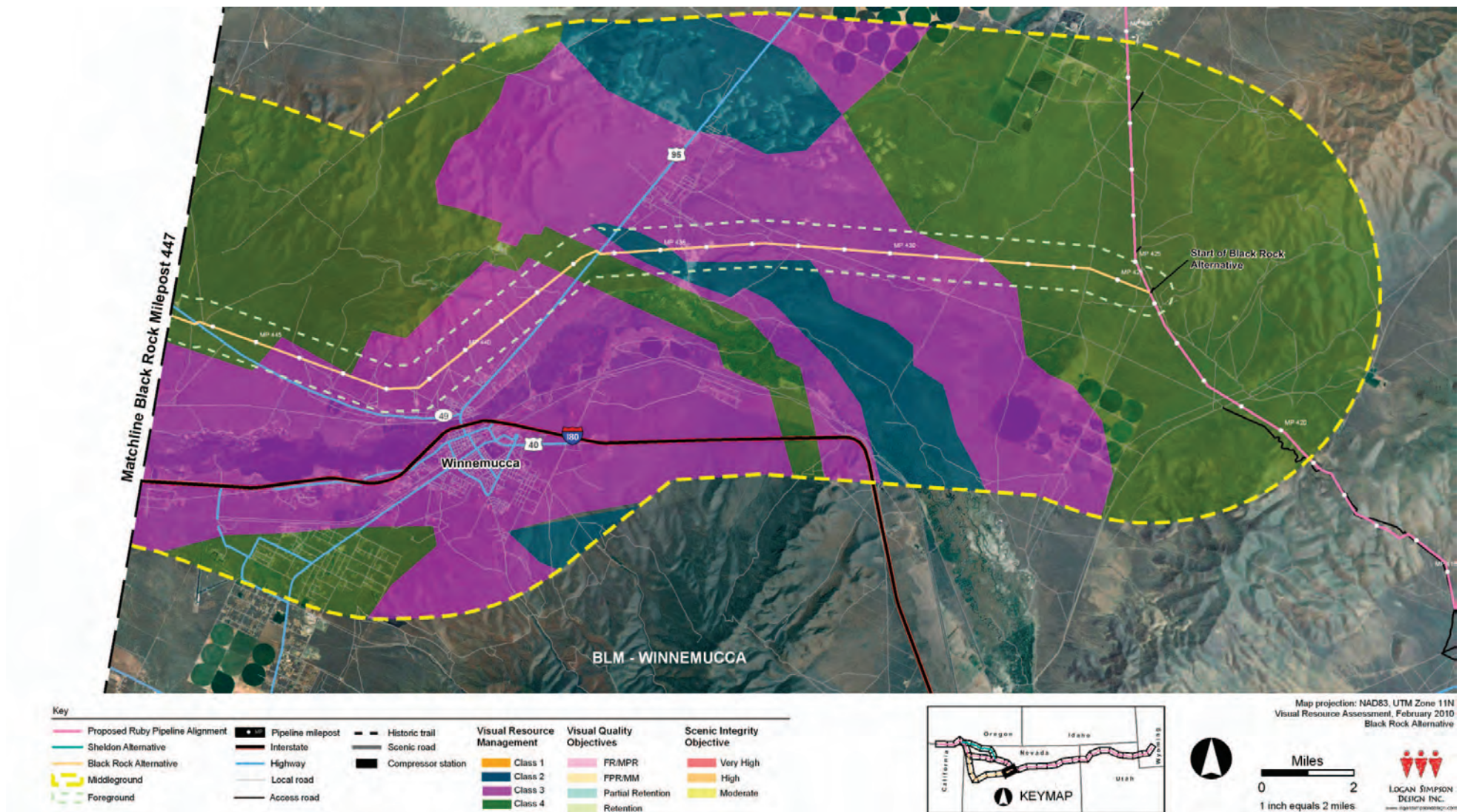




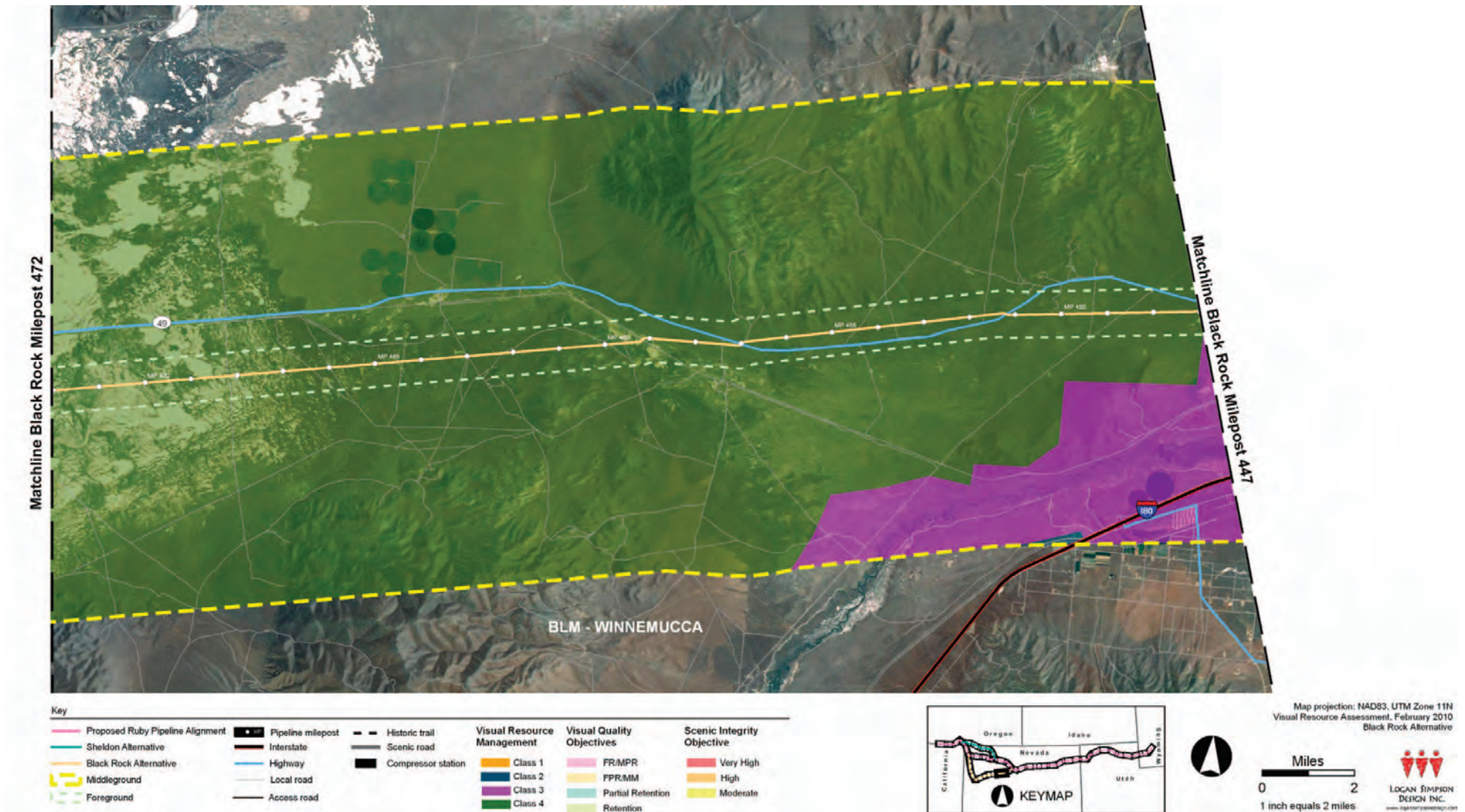




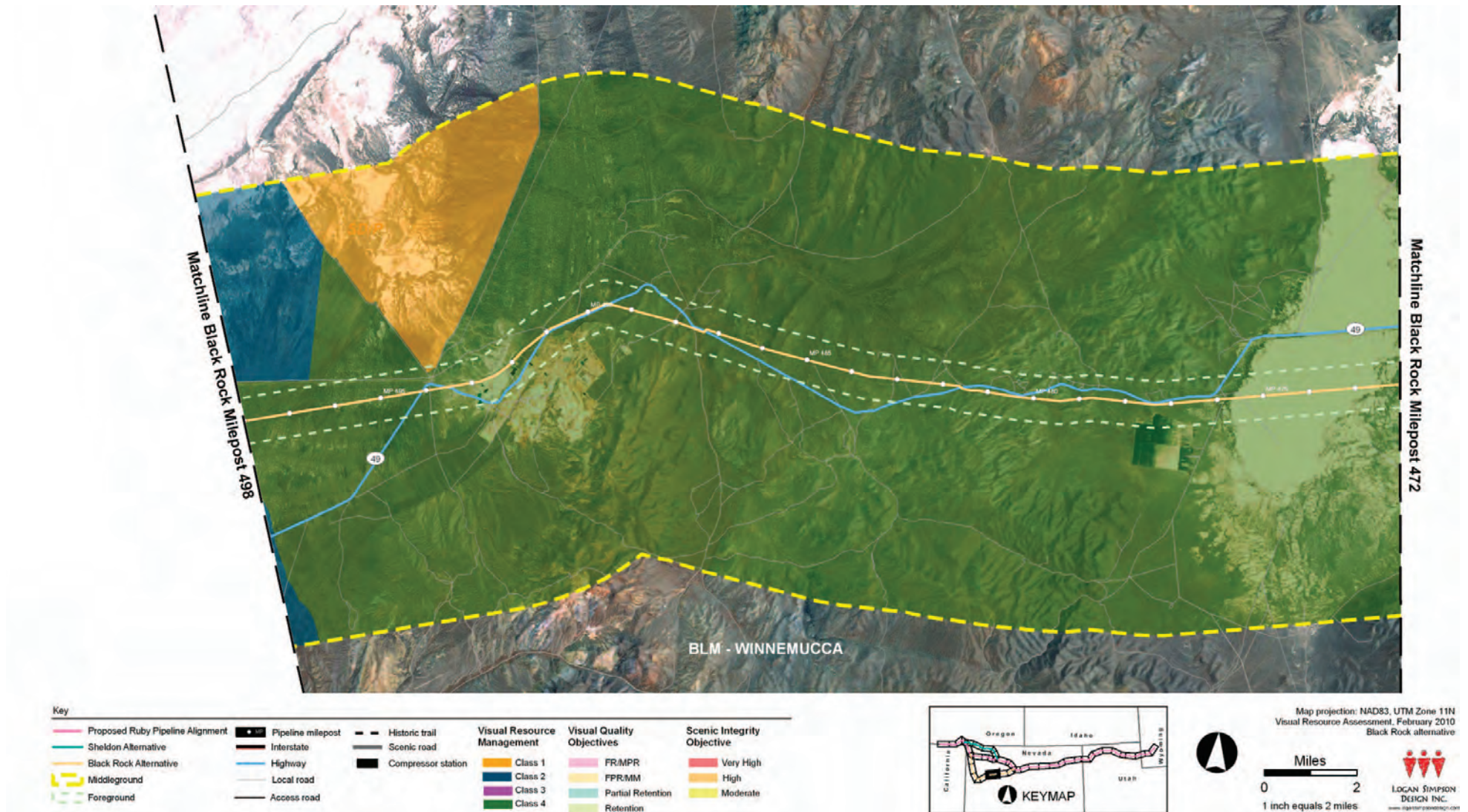




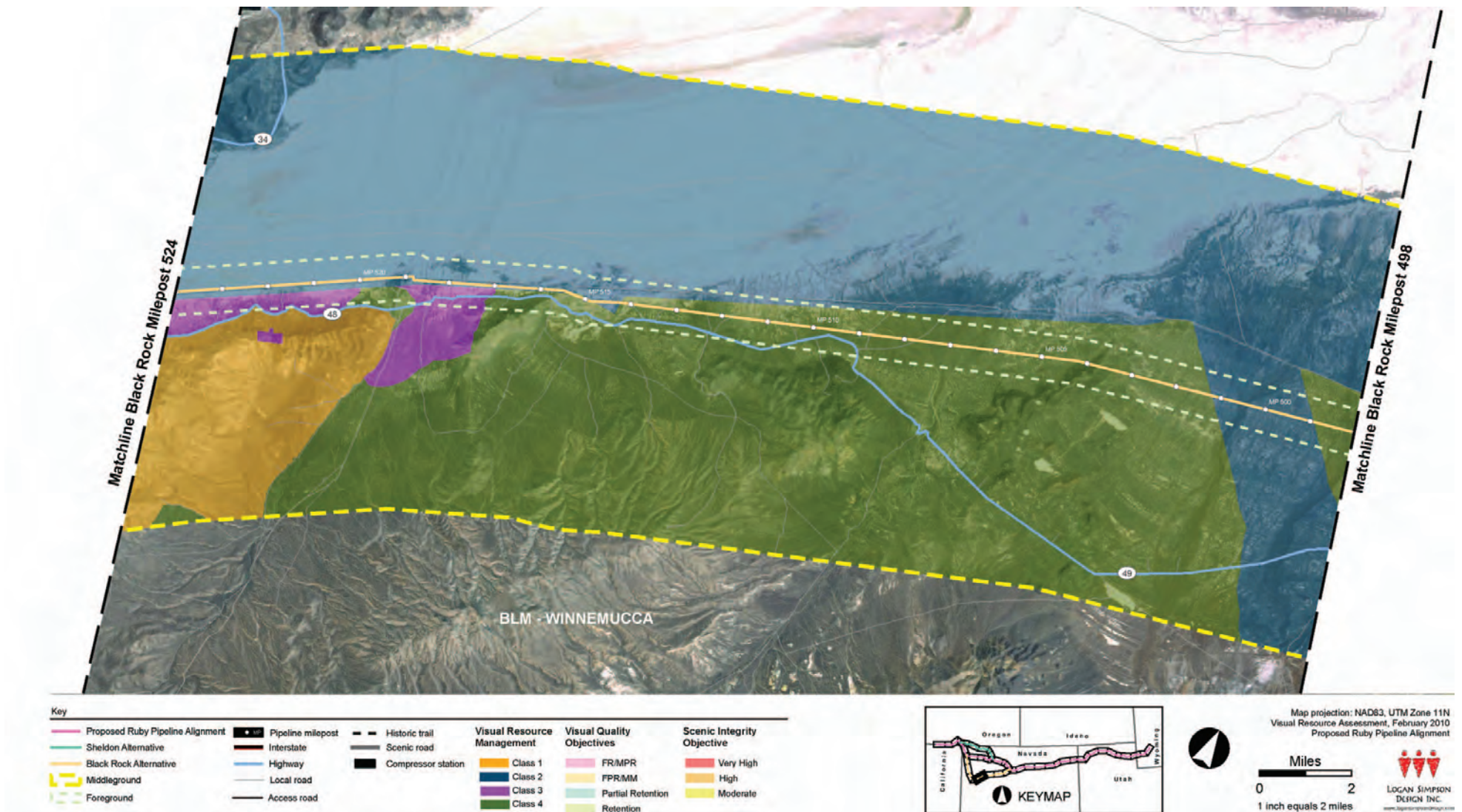


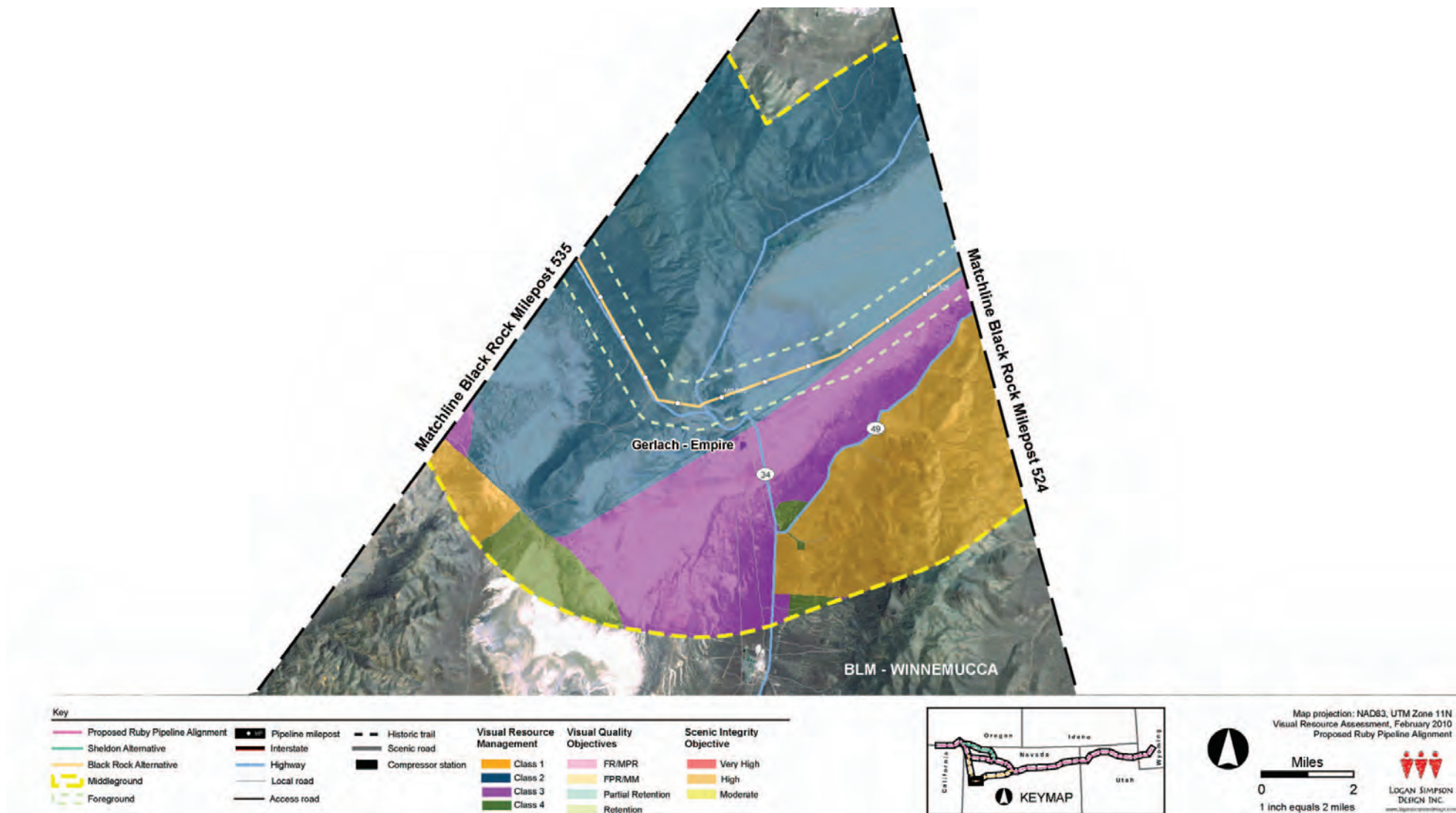




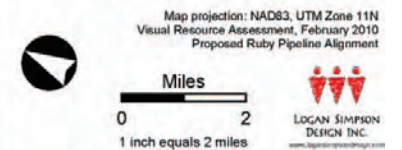
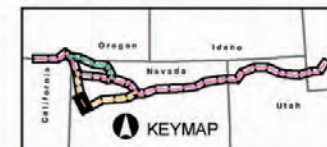
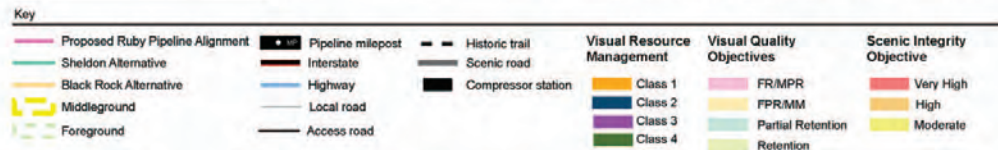
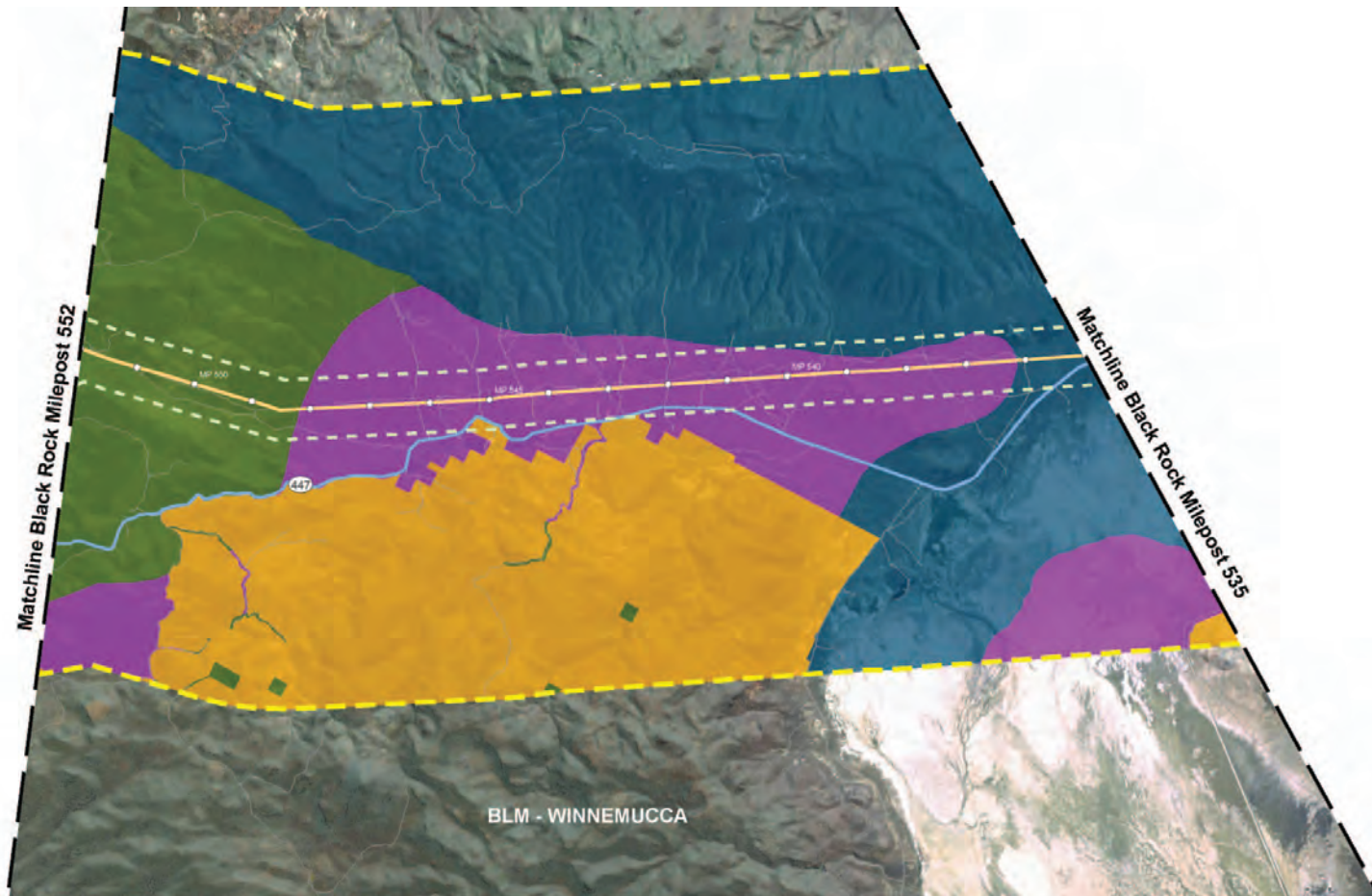


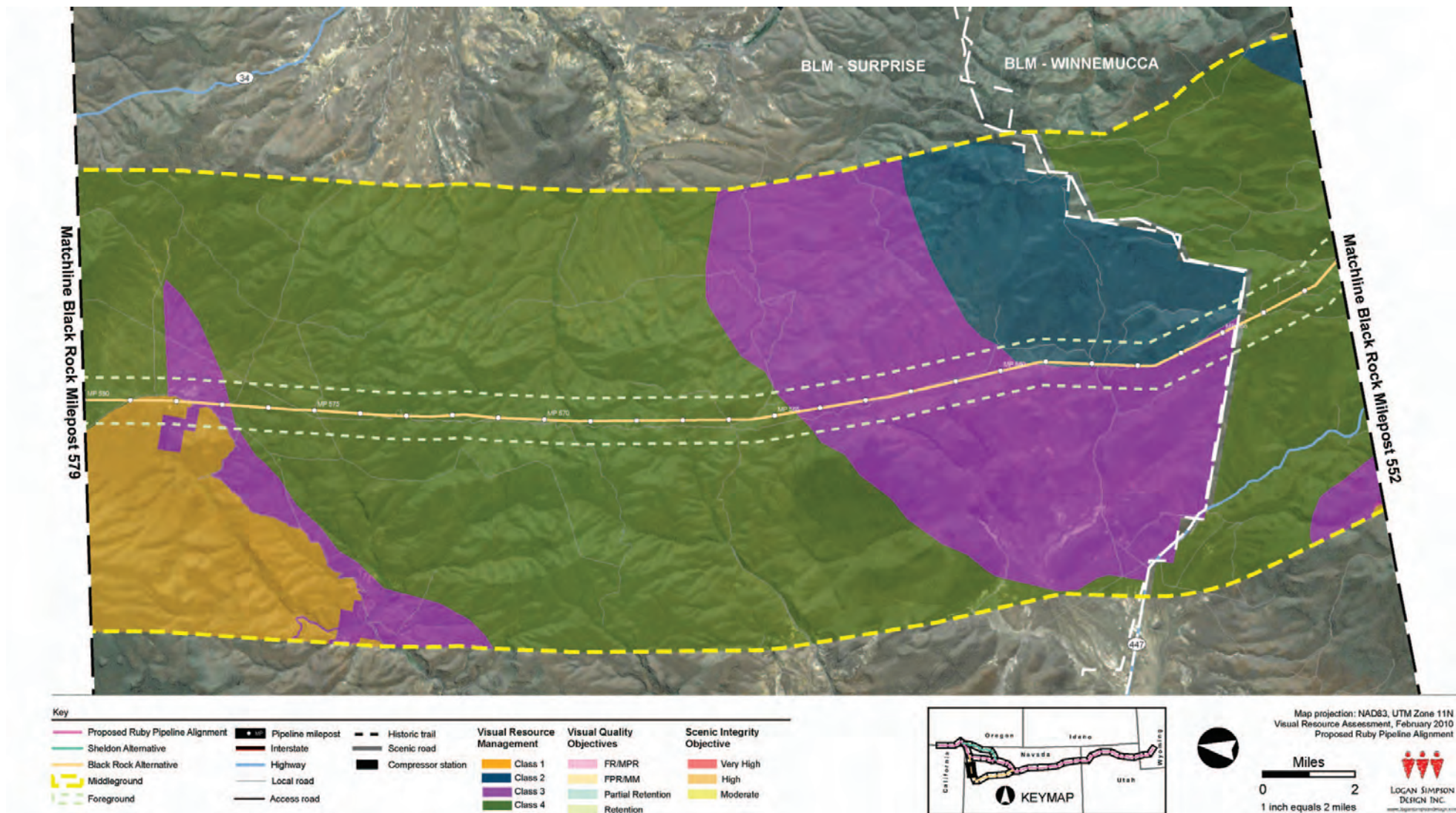




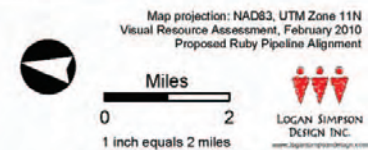
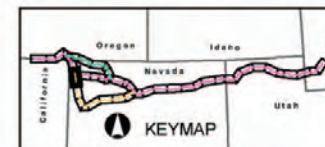
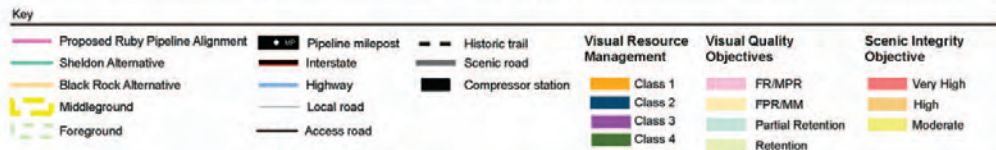
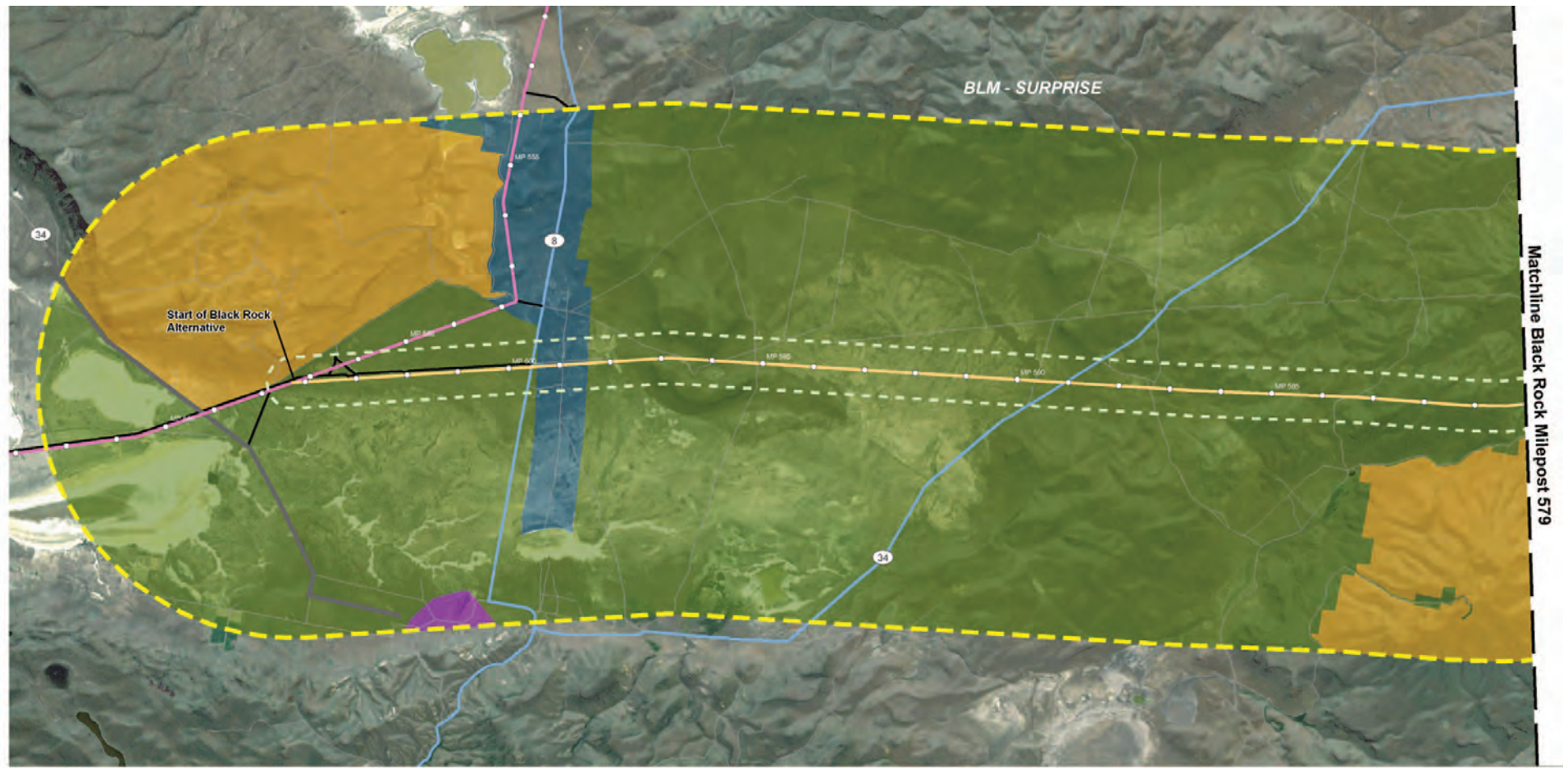










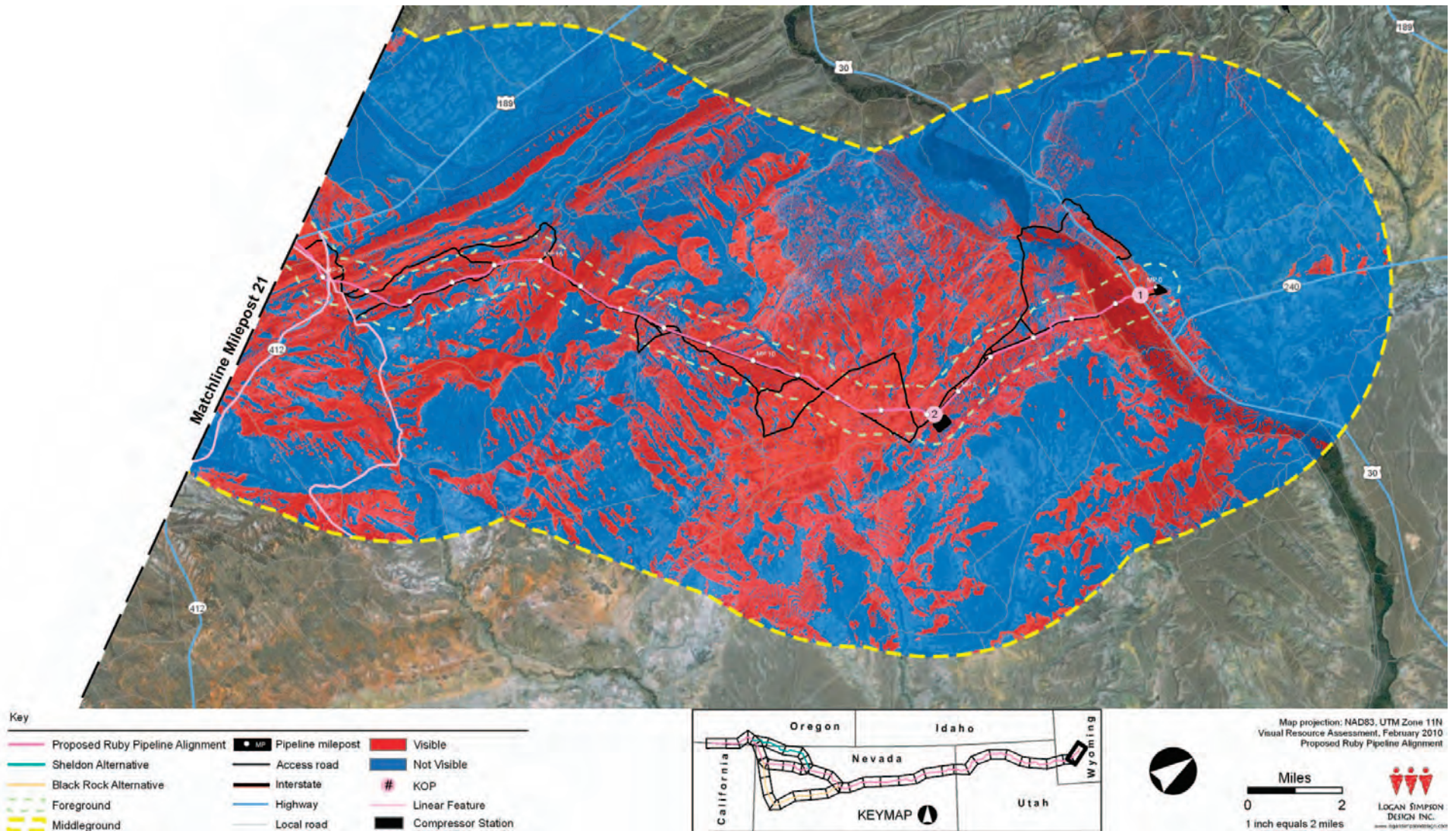




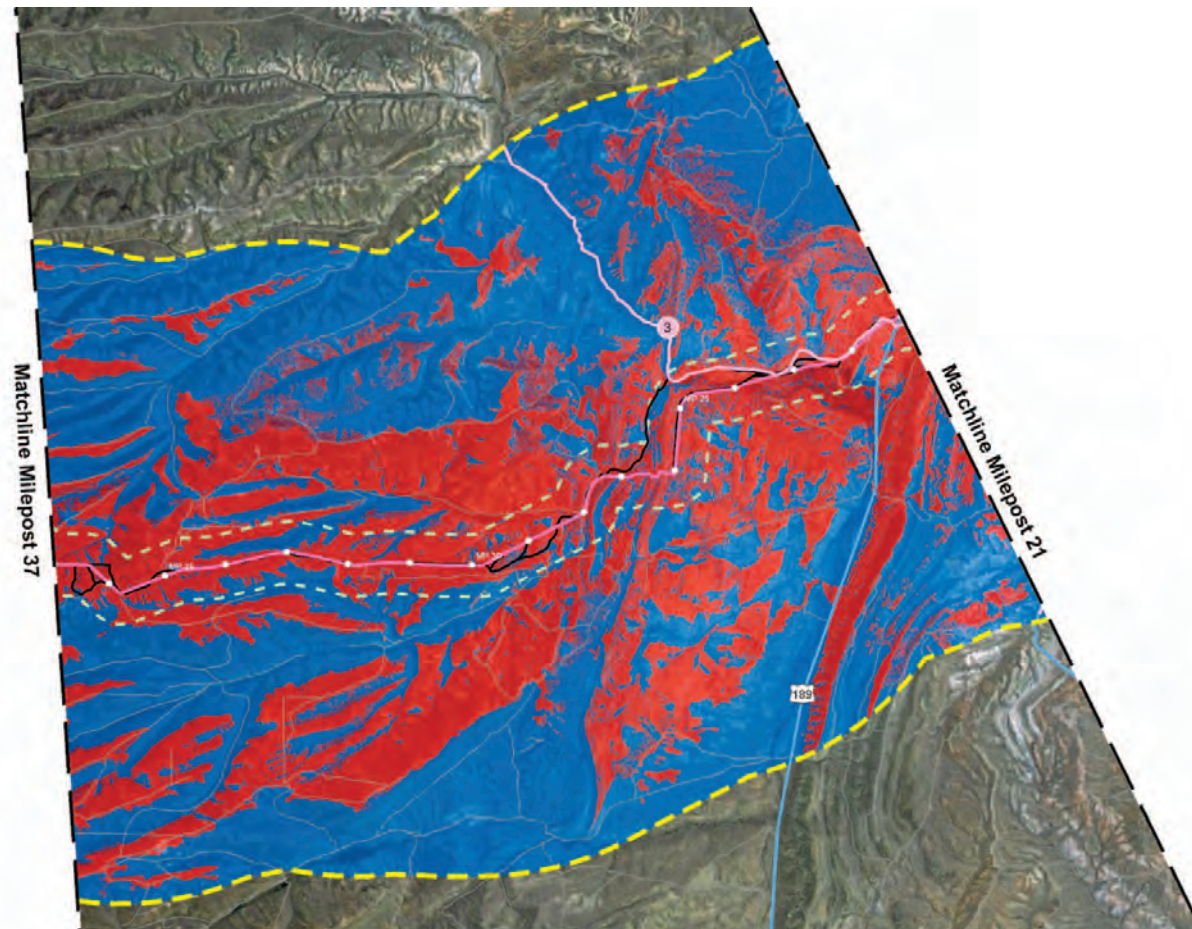


## **Appendix C**

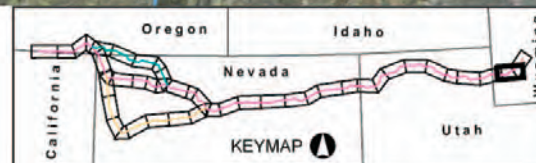
### **Visibility Analysis and Key Observation Points**







| Key  |  |   |  |
|--|--|---|--|
| <span style="color: pink;">—</span> Proposed Ruby Pipeline Alignment | <span style="color: black;">●</span> Pipeline milepost | <span style="color: red;">■</span> Visible              |  |
| <span style="color: teal;">—</span> Sheldon Alternative              | <span style="color: black;">—</span> Access road       | <span style="color: blue;">■</span> Not Visible         |  |
| <span style="color: orange;">—</span> Black Rock Alternative         | <span style="color: black;">—</span> Interstate        | <span style="color: pink;">#</span> KOP                 |  |
| <span style="color: green;">---</span> Foreground                    | <span style="color: blue;">—</span> Highway            | <span style="color: pink;">—</span> Linear Feature      |  |
| <span style="color: yellow;">---</span> Middleground                 | <span style="color: grey;">—</span> Local road         | <span style="color: black;">■</span> Compressor Station |  |

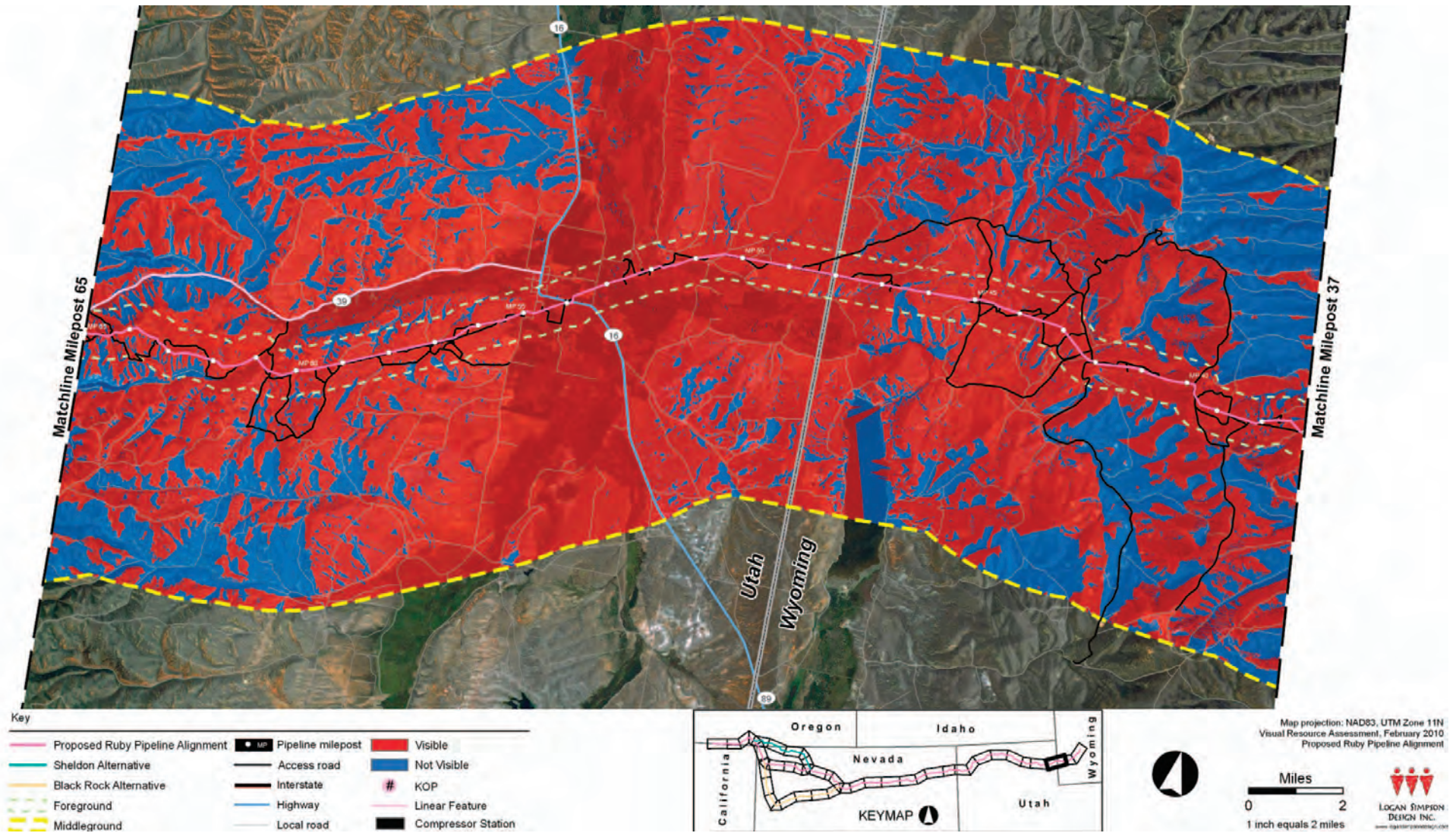


Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

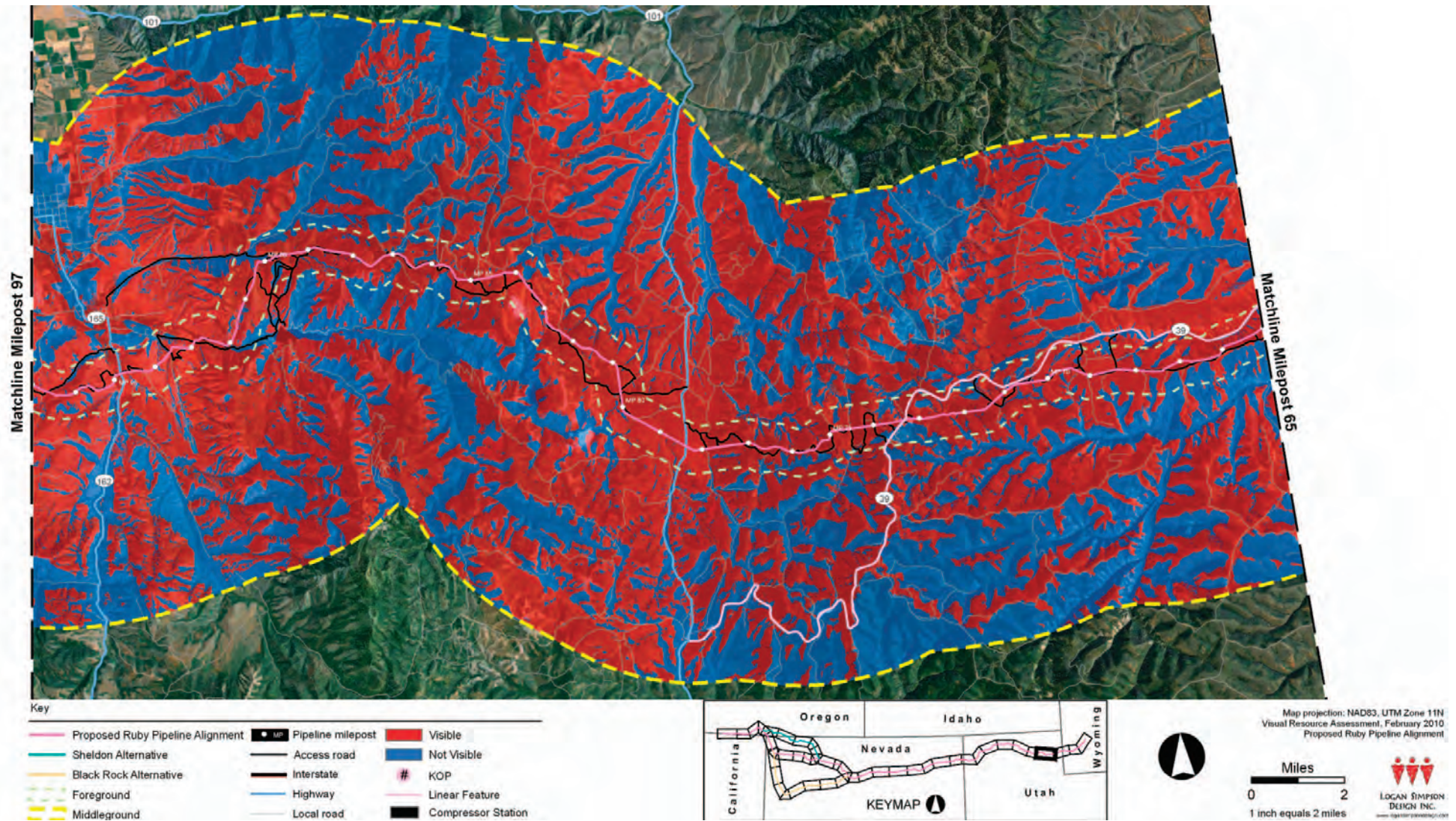
Miles  
0 2  
1 inch equals 2 miles



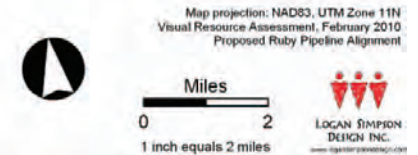
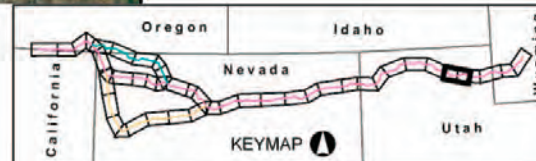
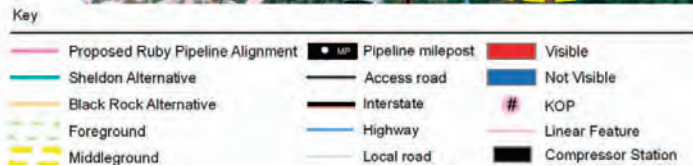
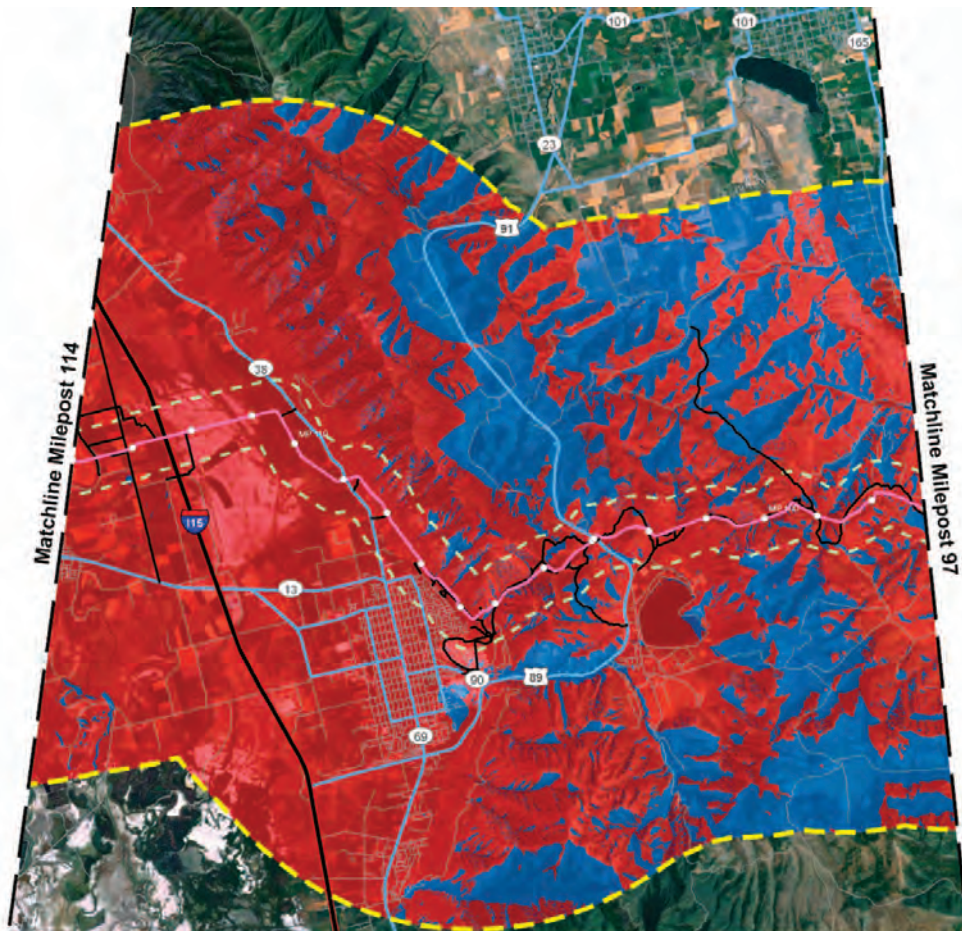




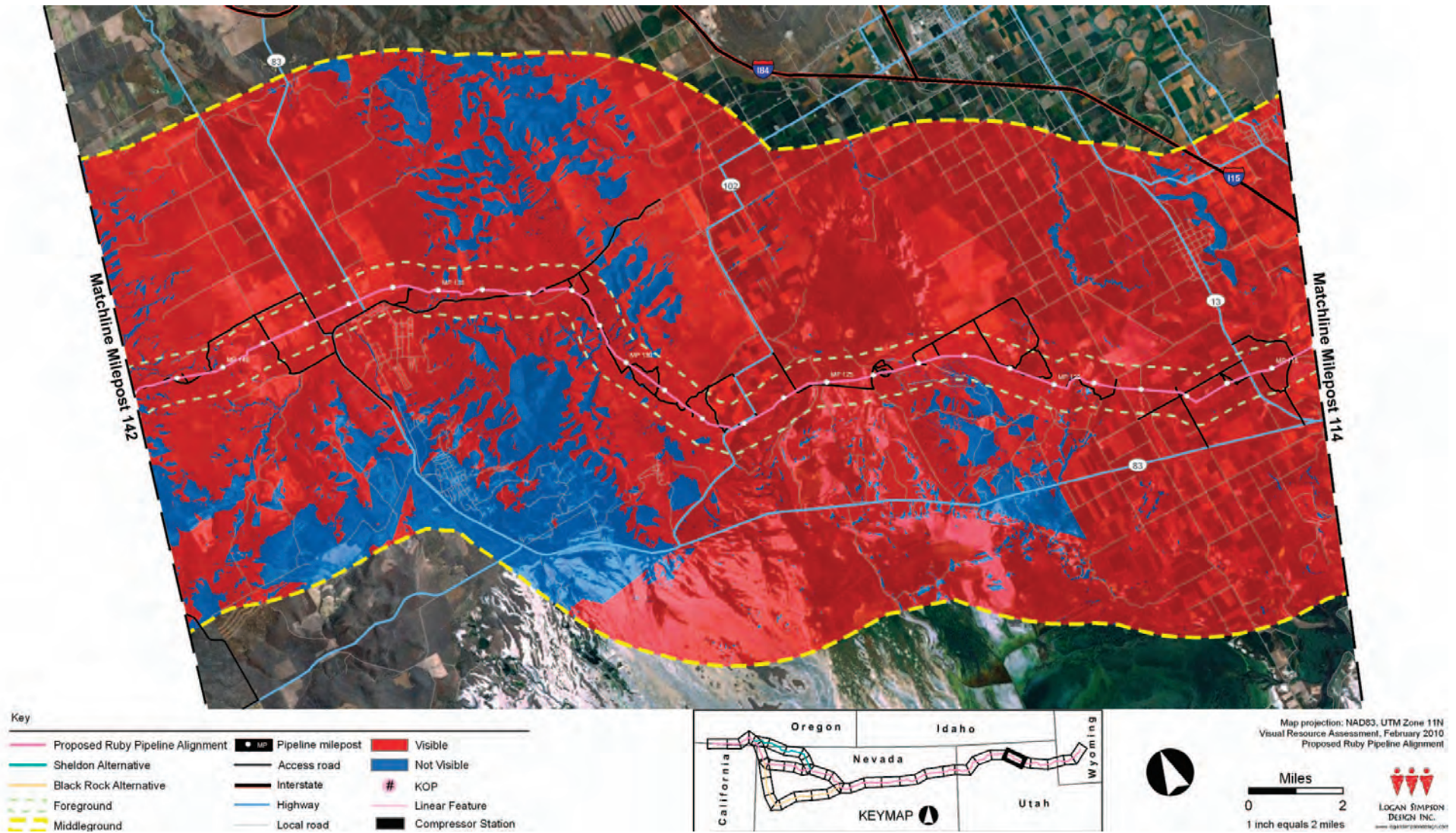




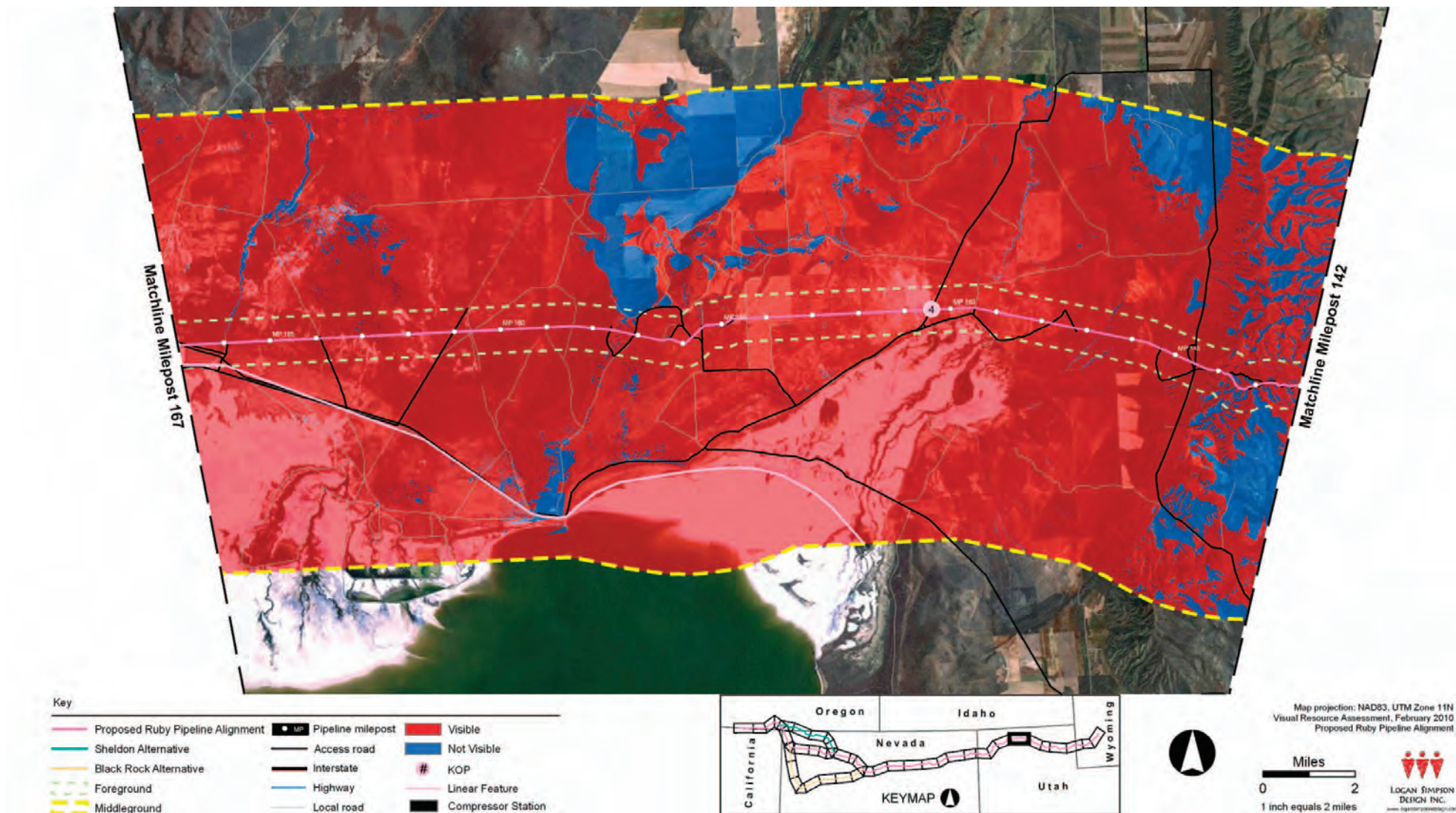




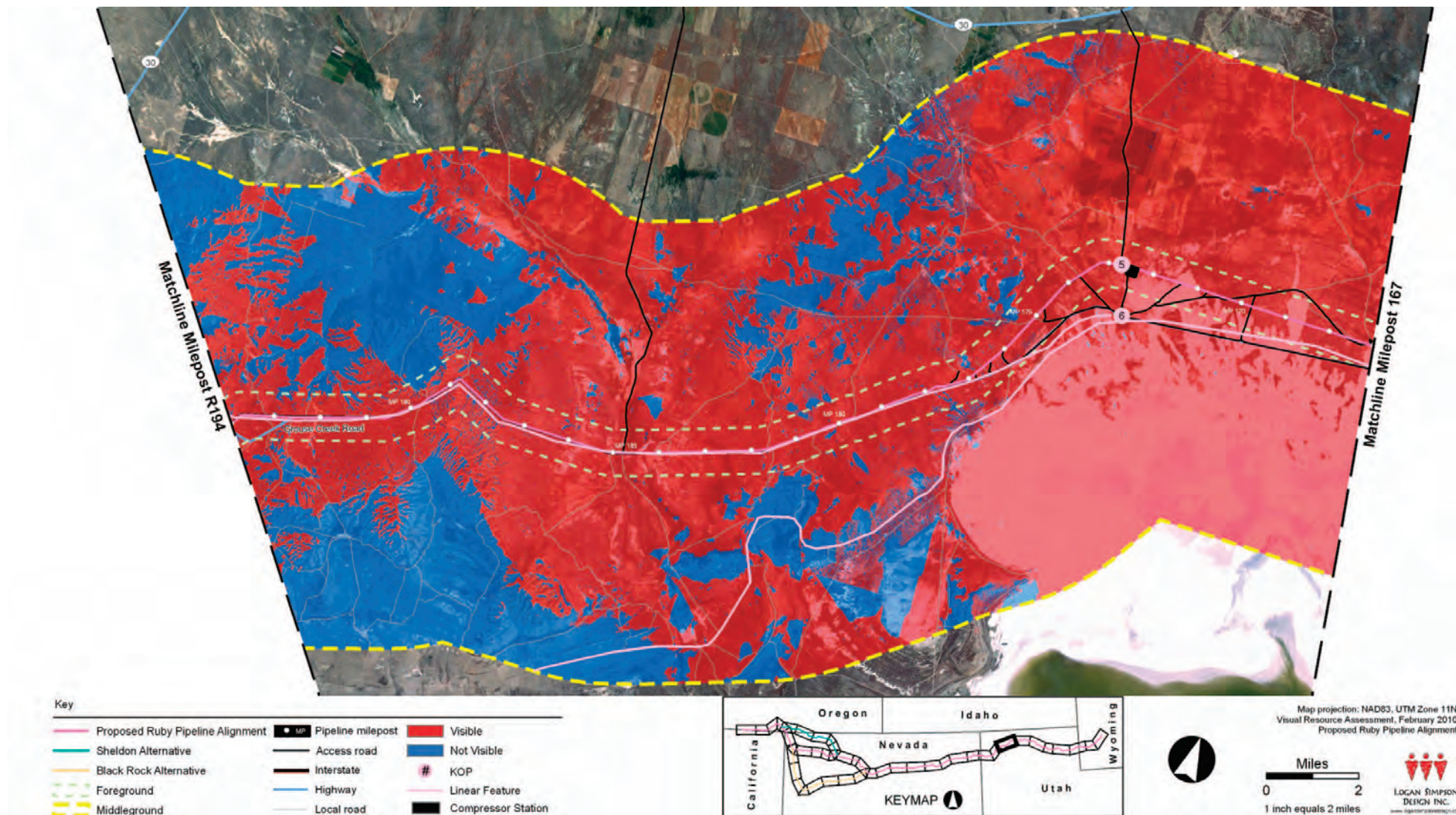




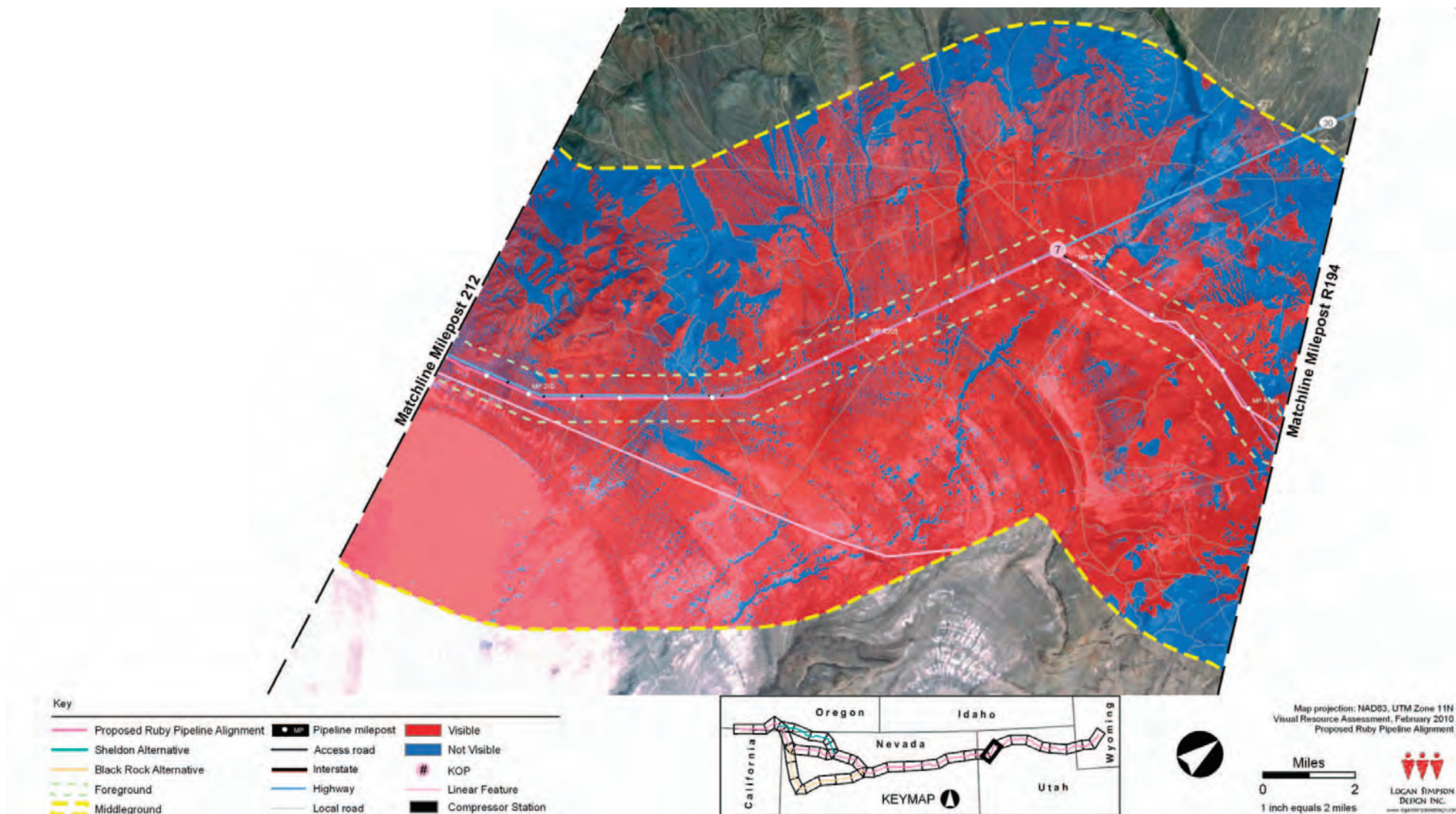




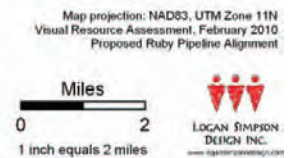
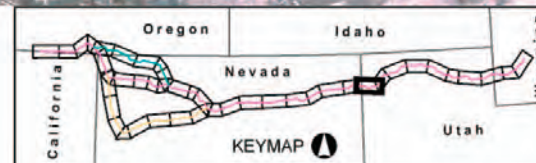
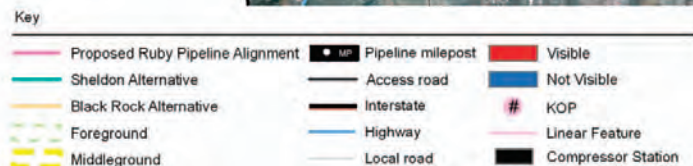
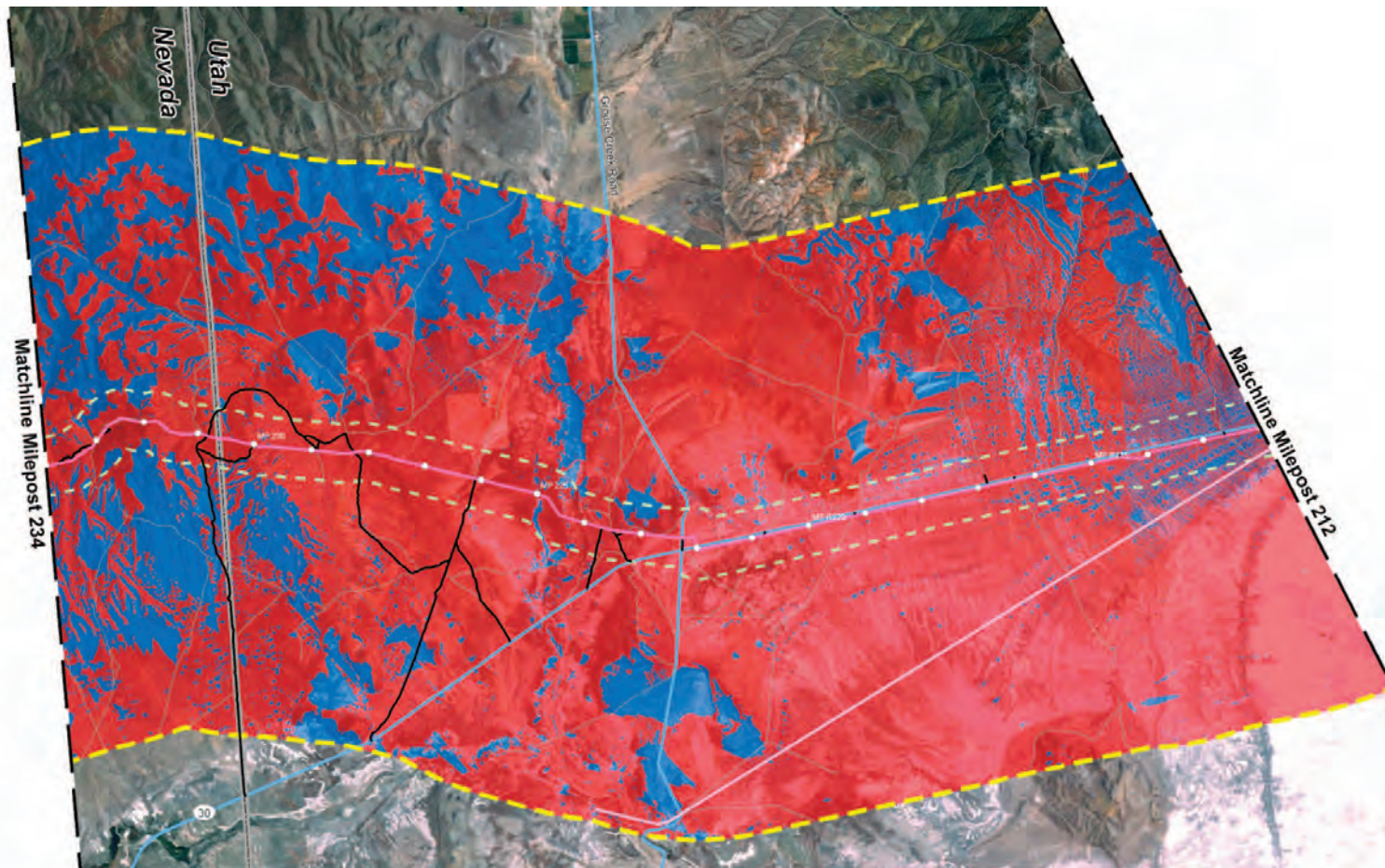




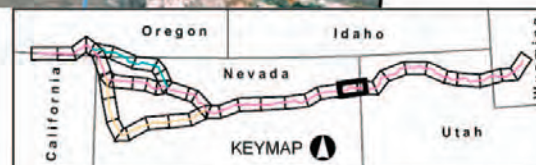
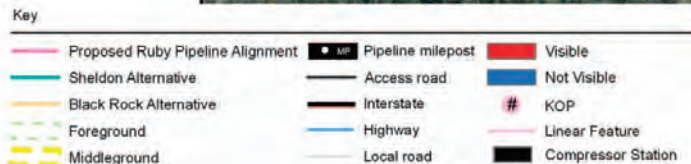
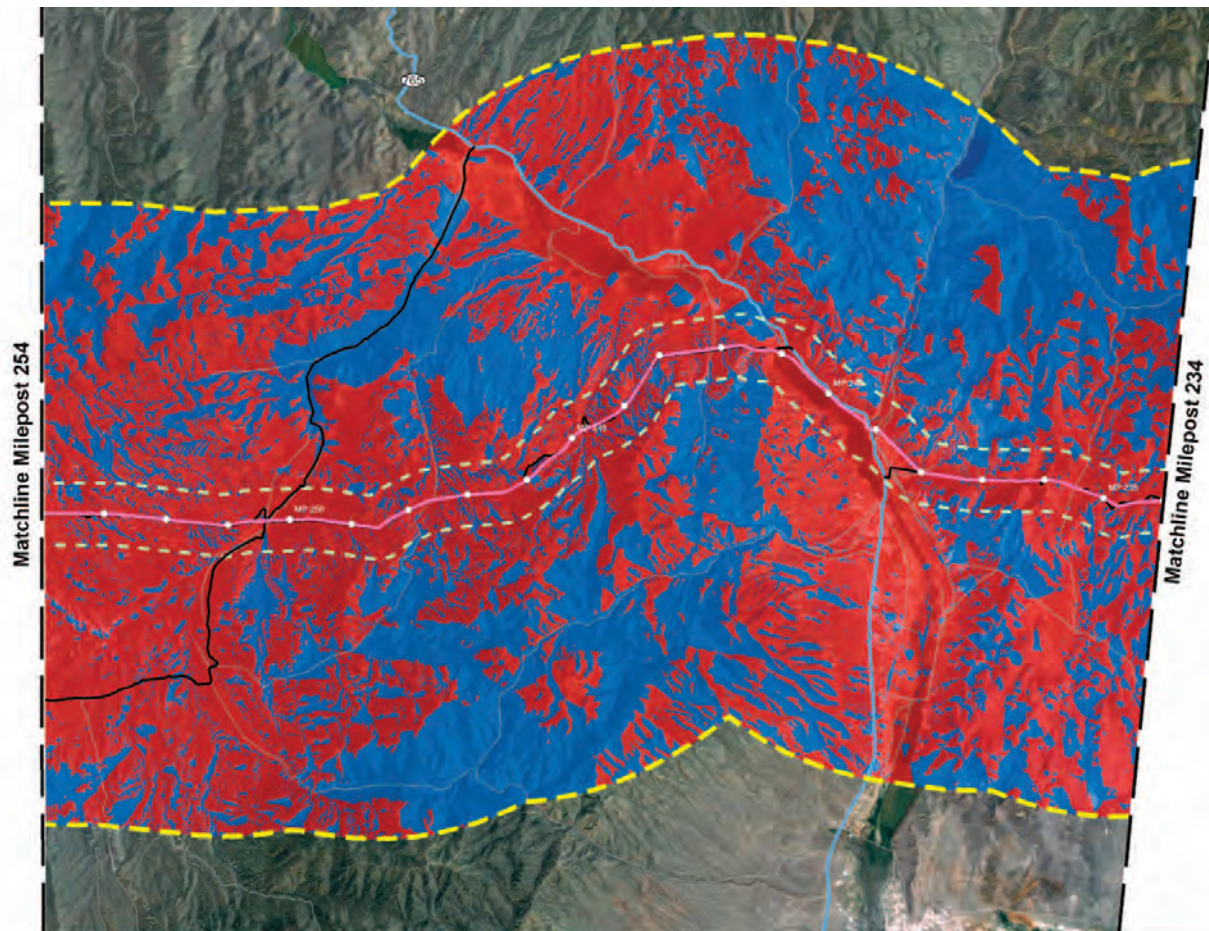




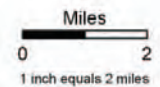




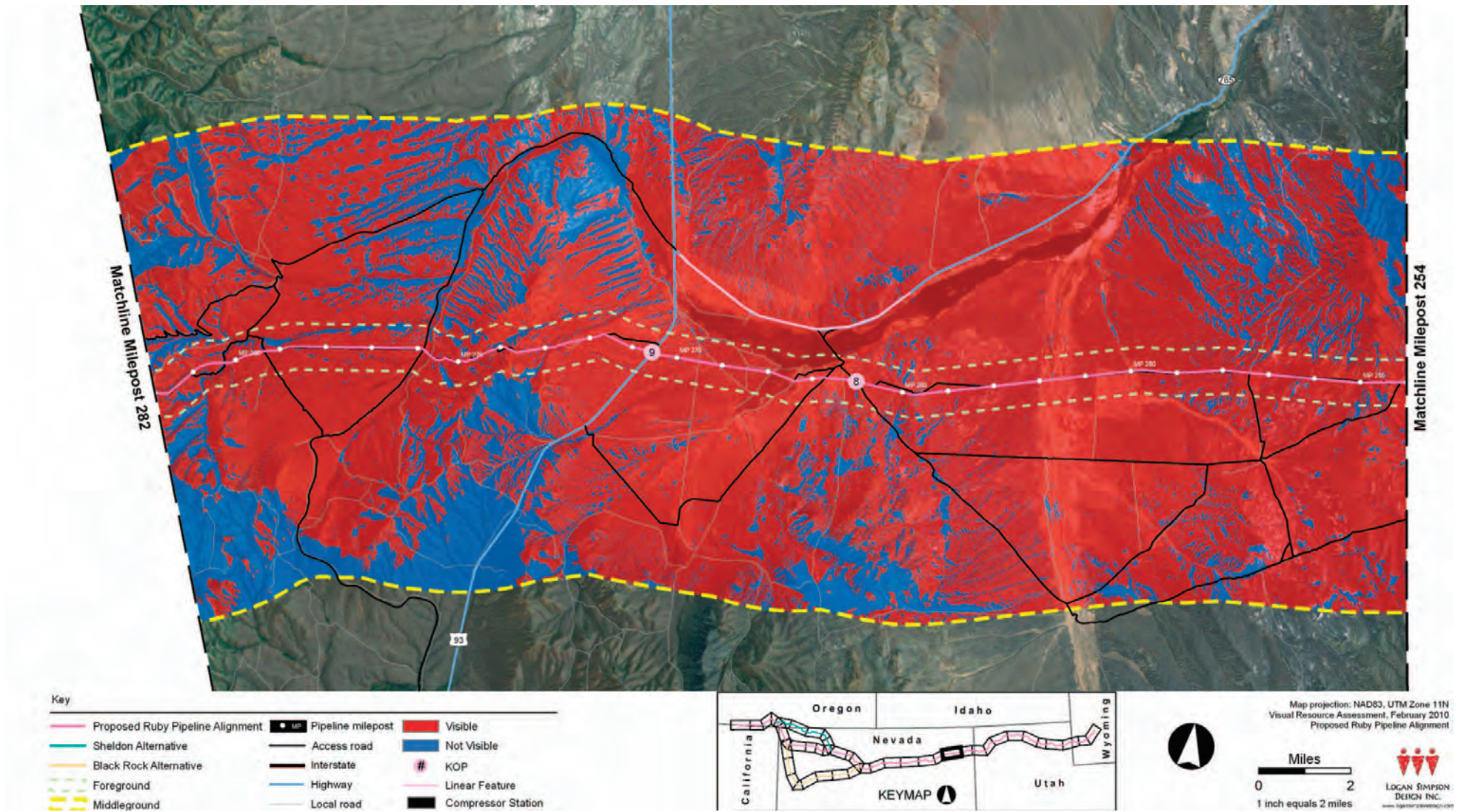




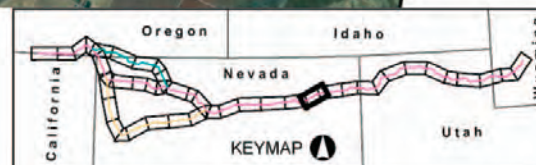
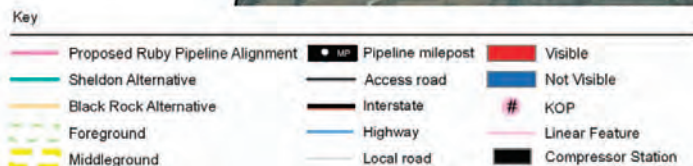
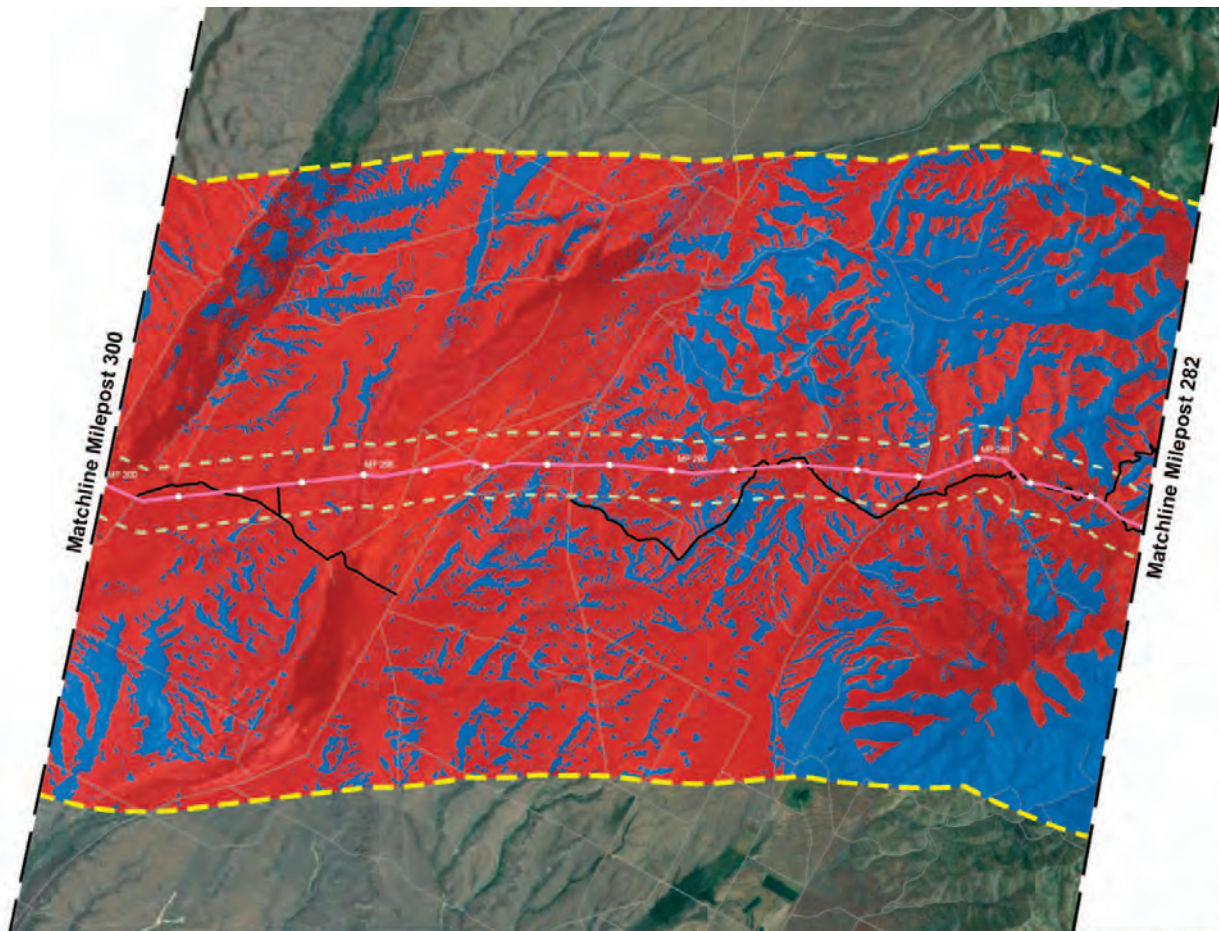
Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment



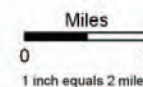




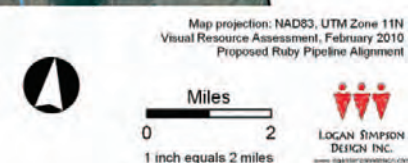
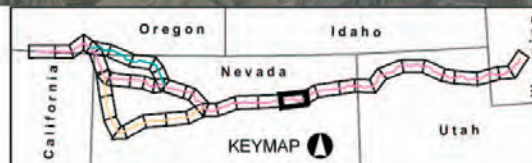
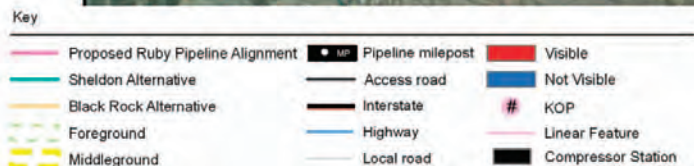
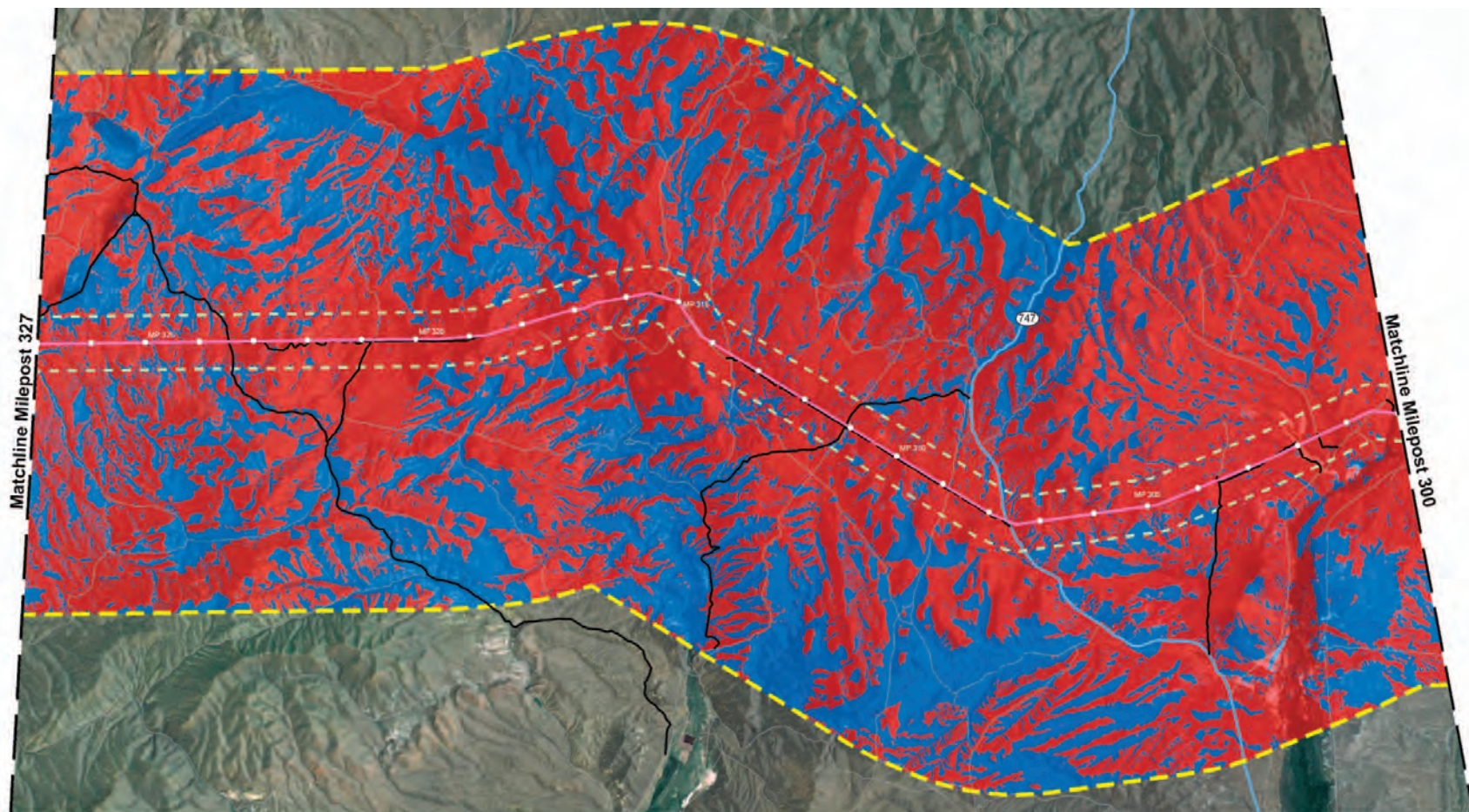




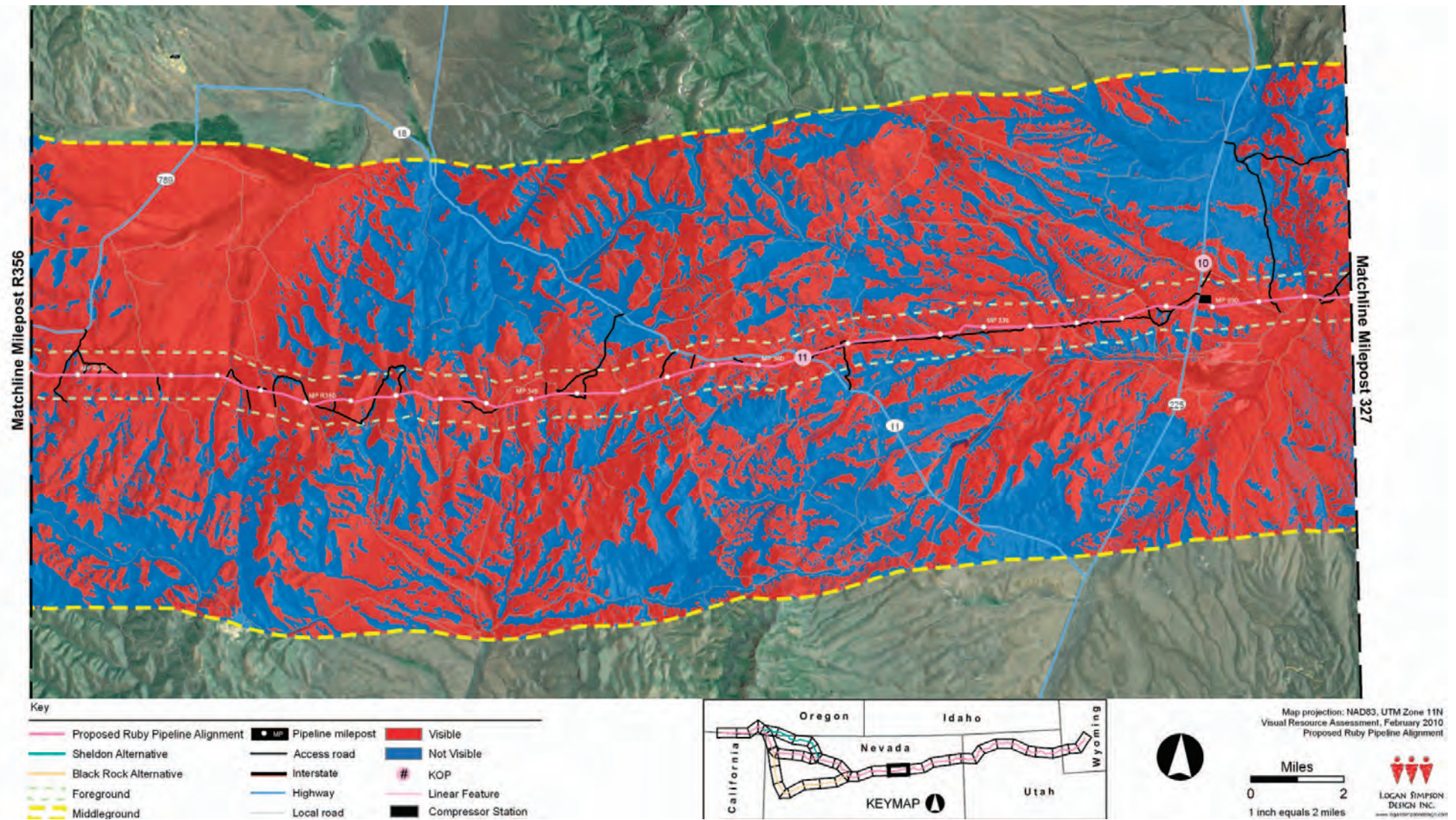
Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment



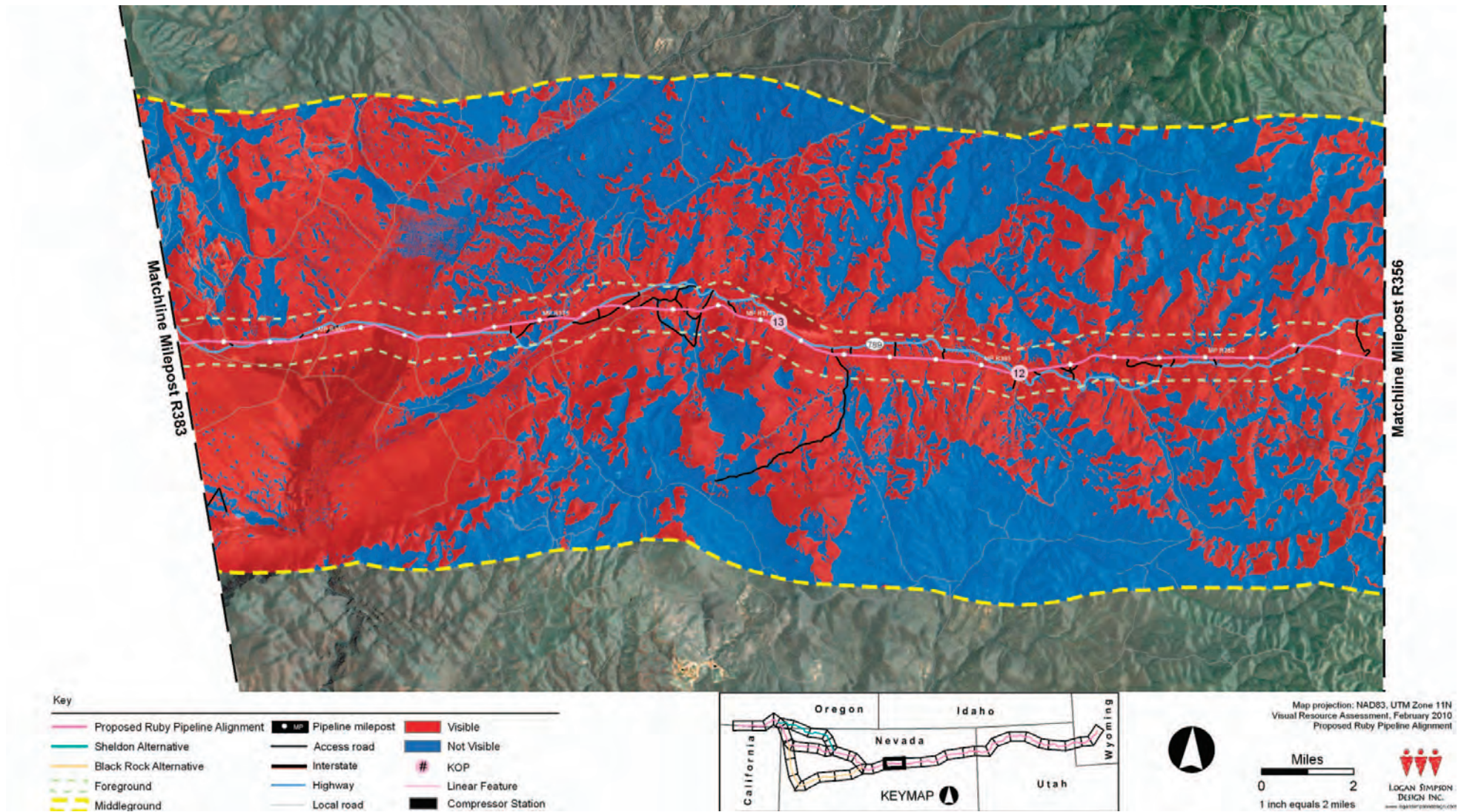




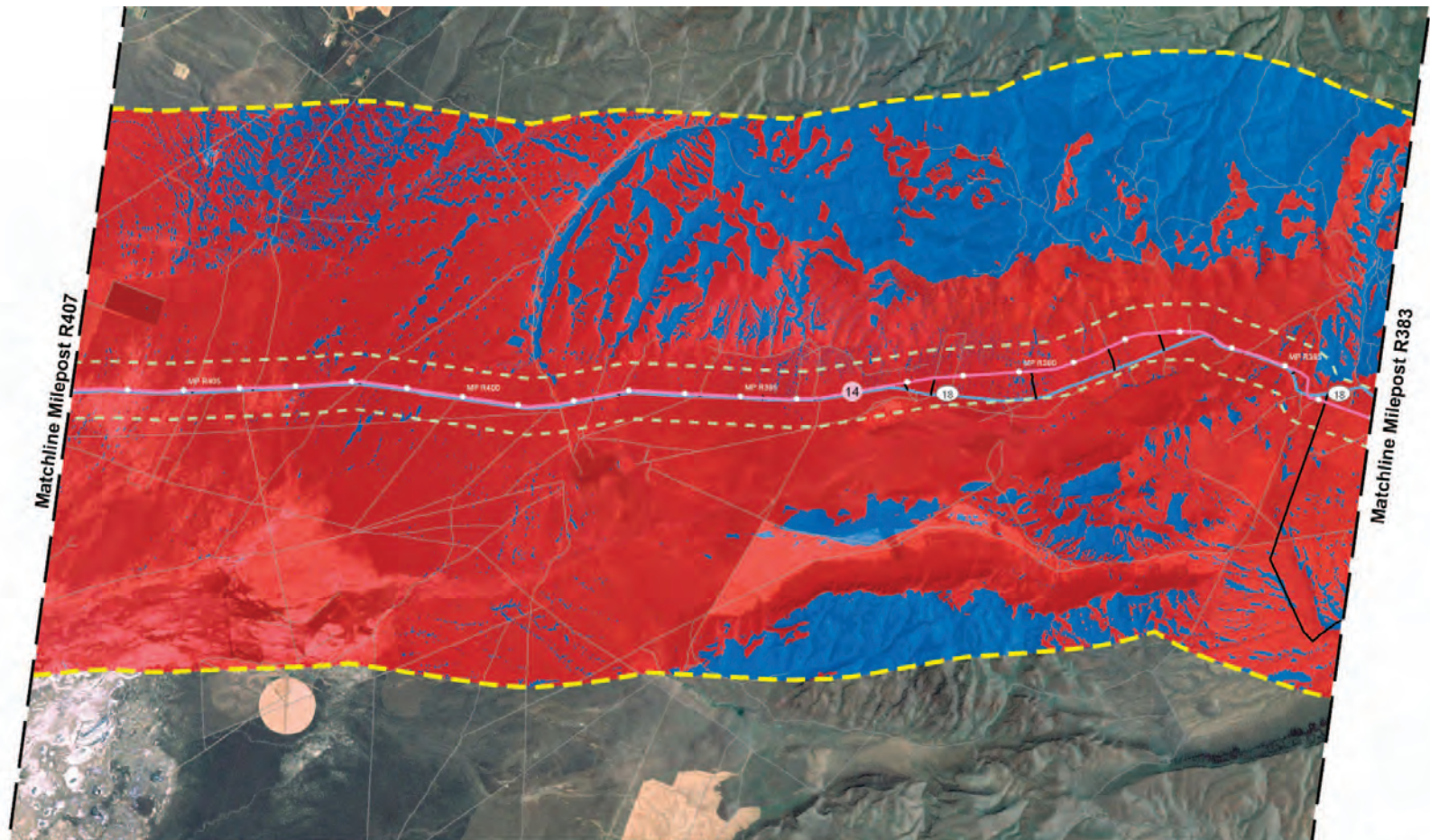






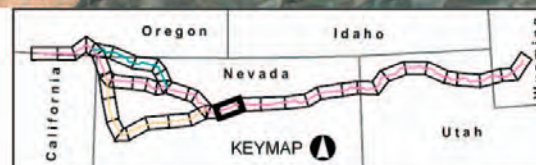






Key

- |                                  |                        |                    |
|----------------------------------|------------------------|--------------------|
| Proposed Ruby Pipeline Alignment | • MP Pipeline milepost | Visible            |
| Sheldon Alternative              | Access road            | Not Visible        |
| Black Rock Alternative           | Interstate             | # KOP              |
| Foreground                       | Highway                | Linear Feature     |
| Middleground                     | Local road             | Compressor Station |

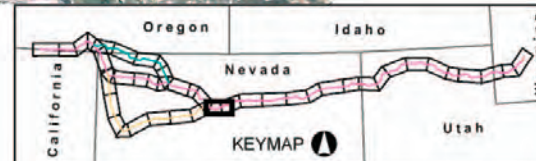
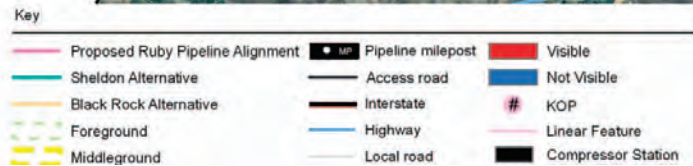
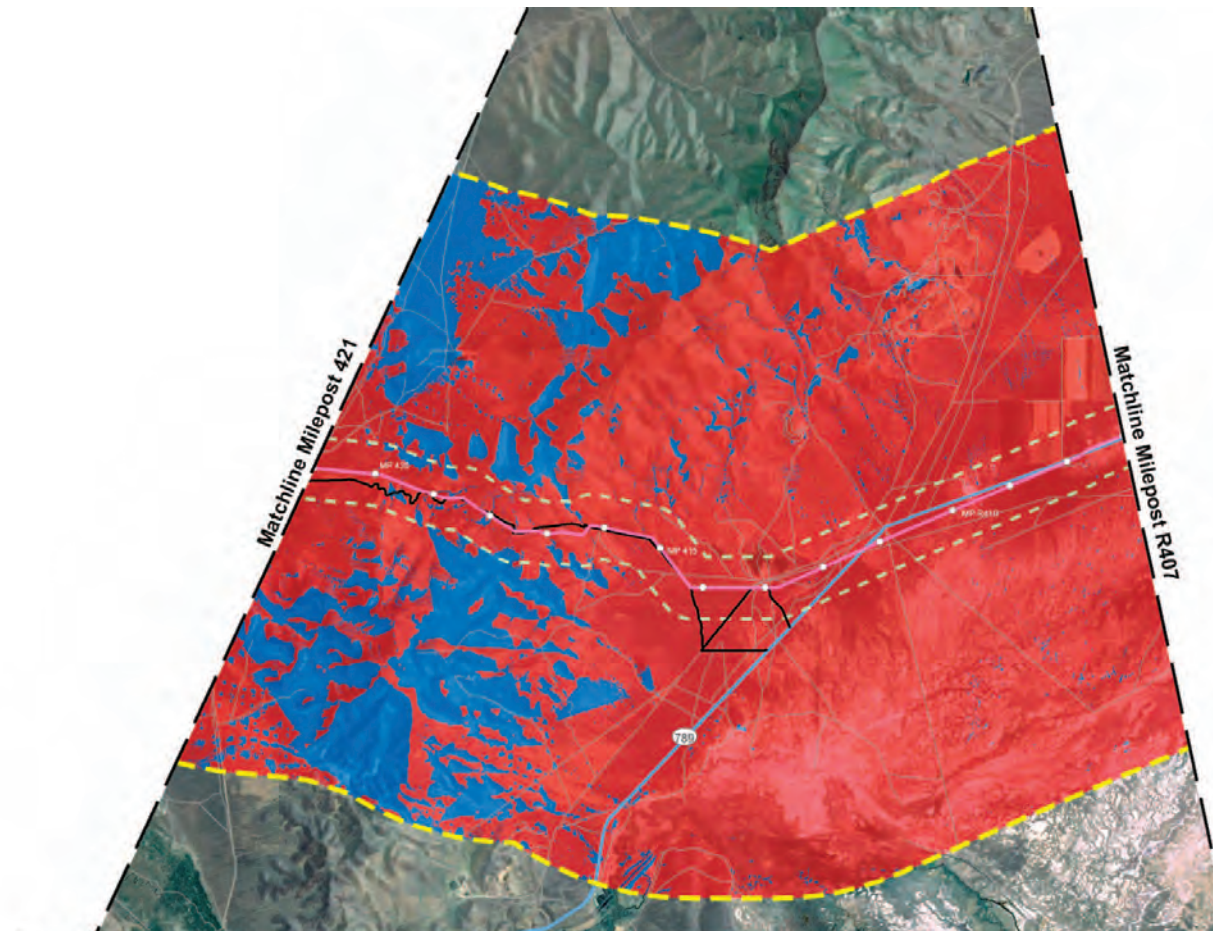


Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

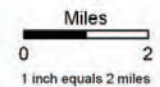
Miles  
0 2  
1 inch equals 2 miles

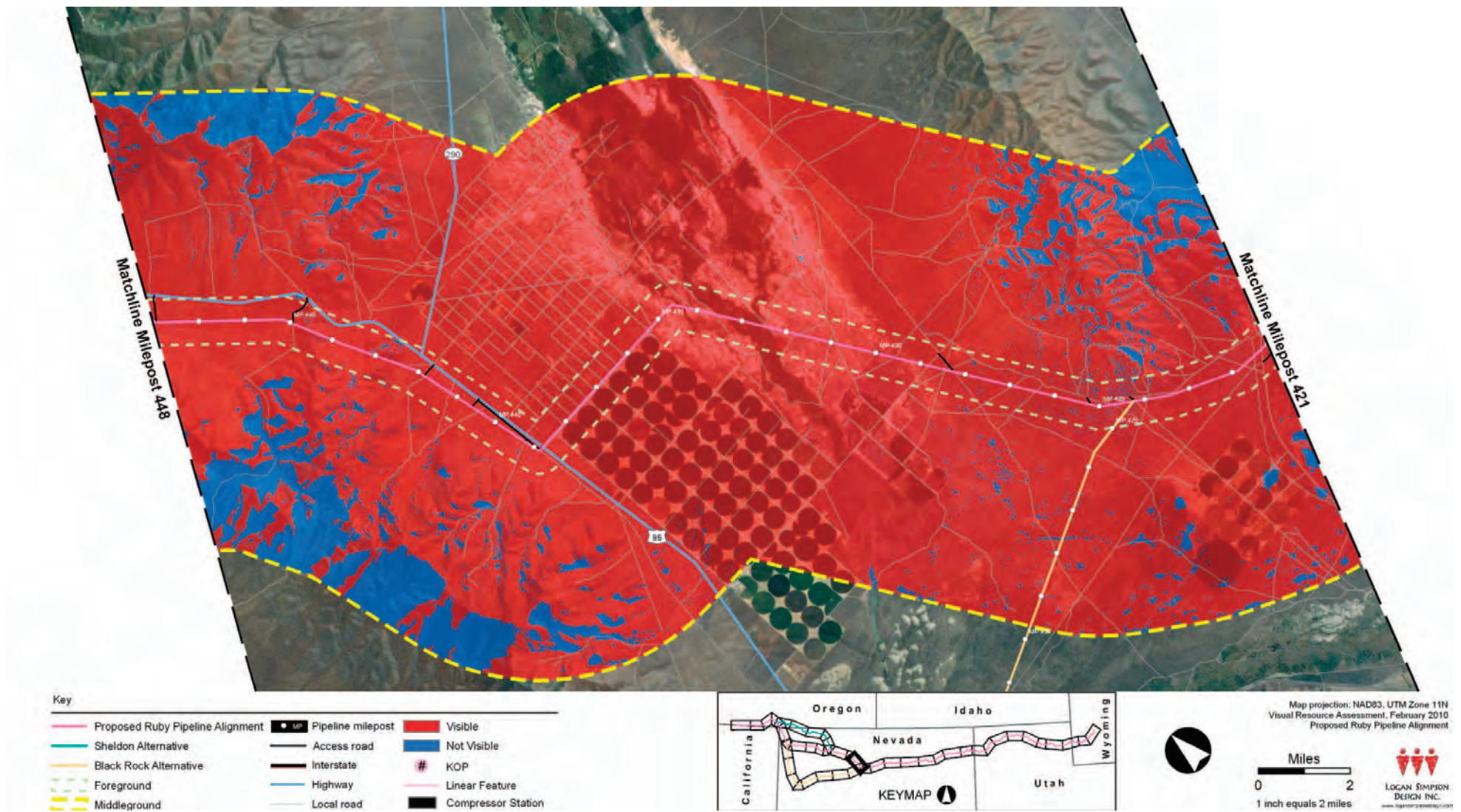




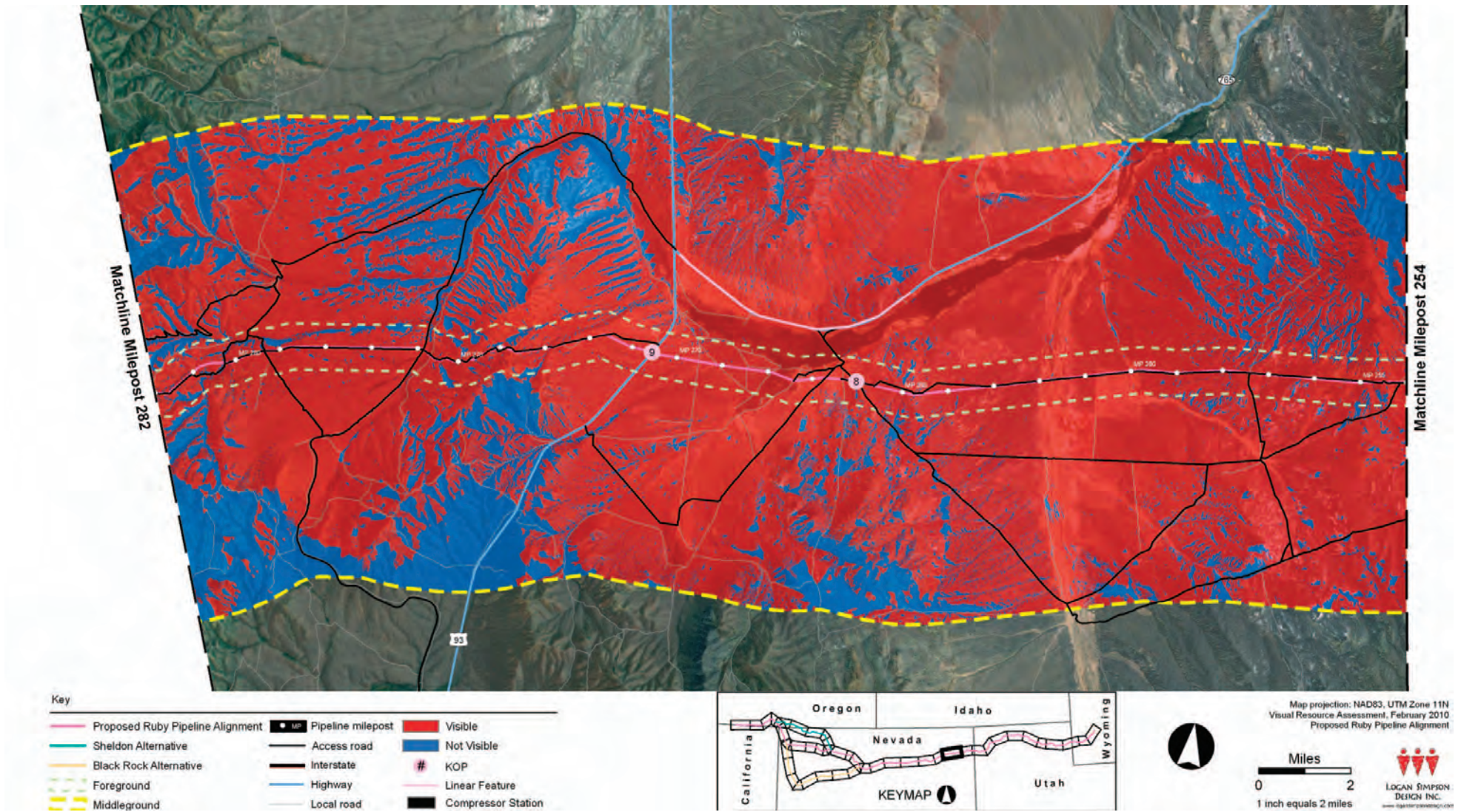


Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

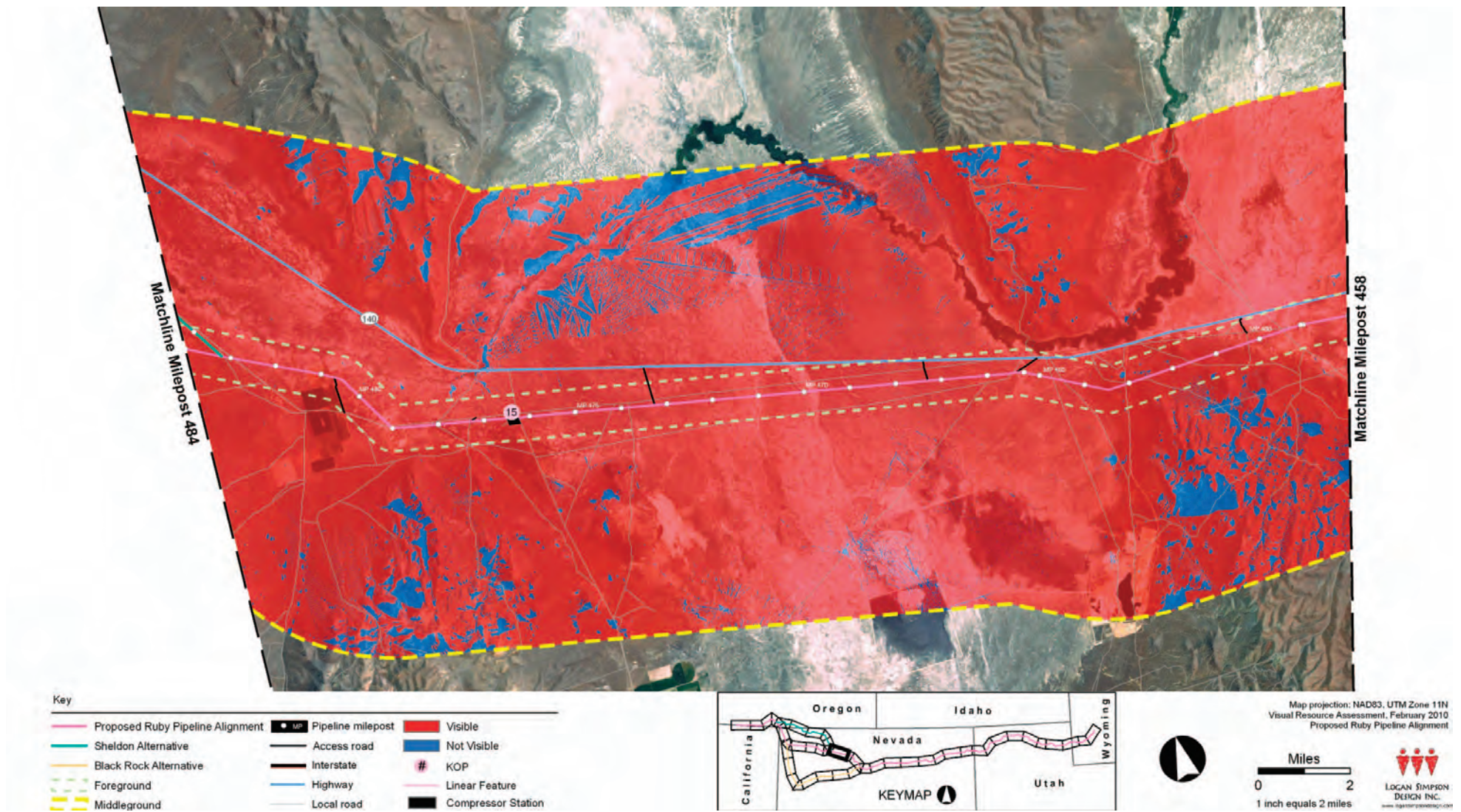




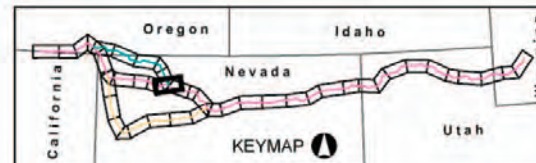
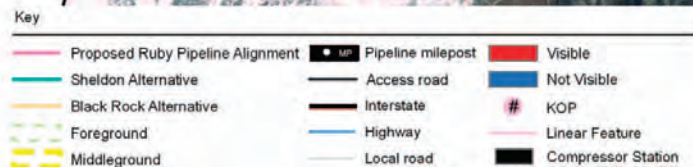
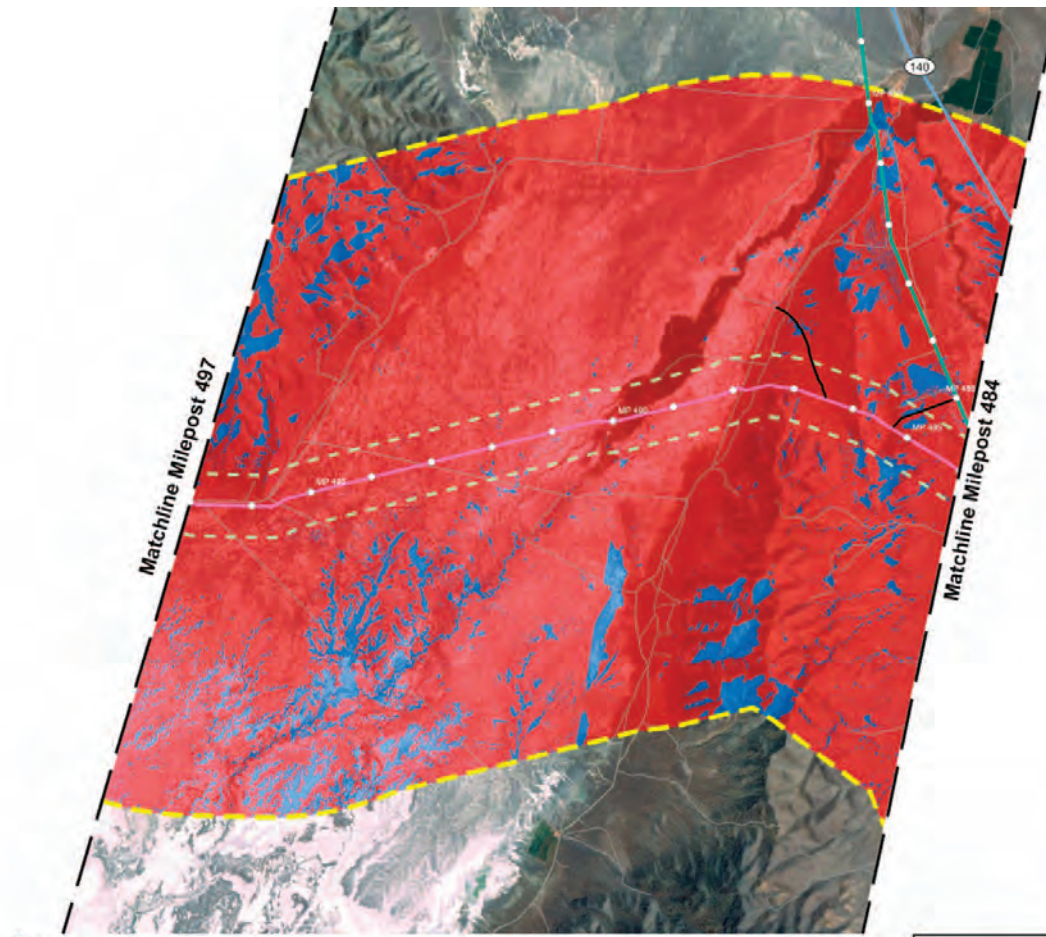




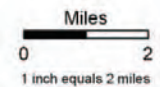


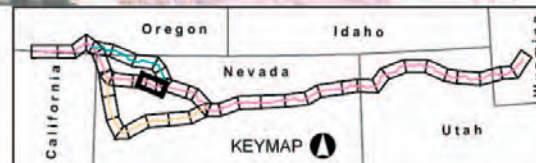
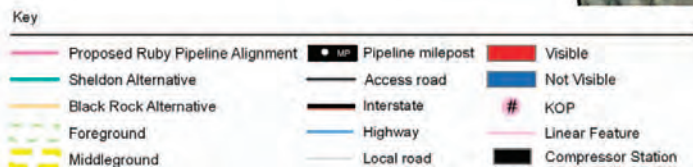
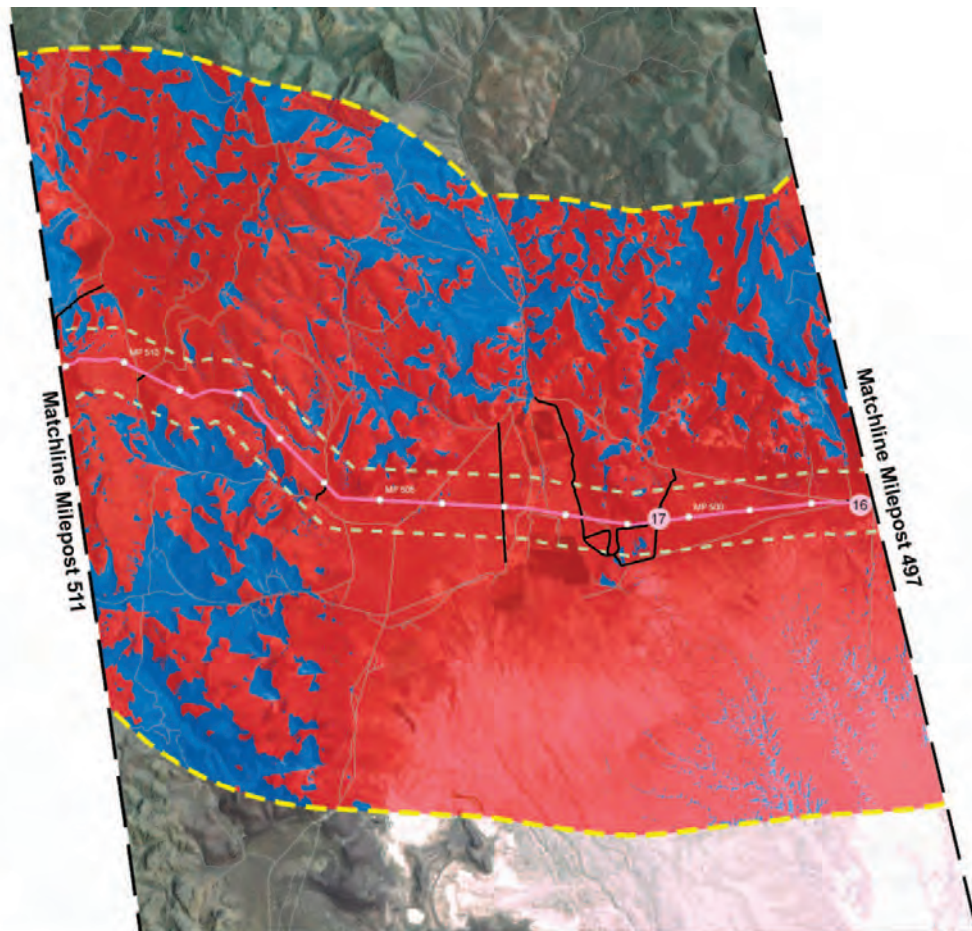




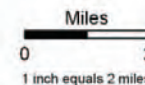


Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment

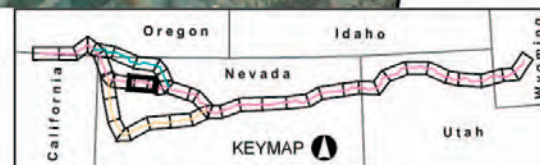
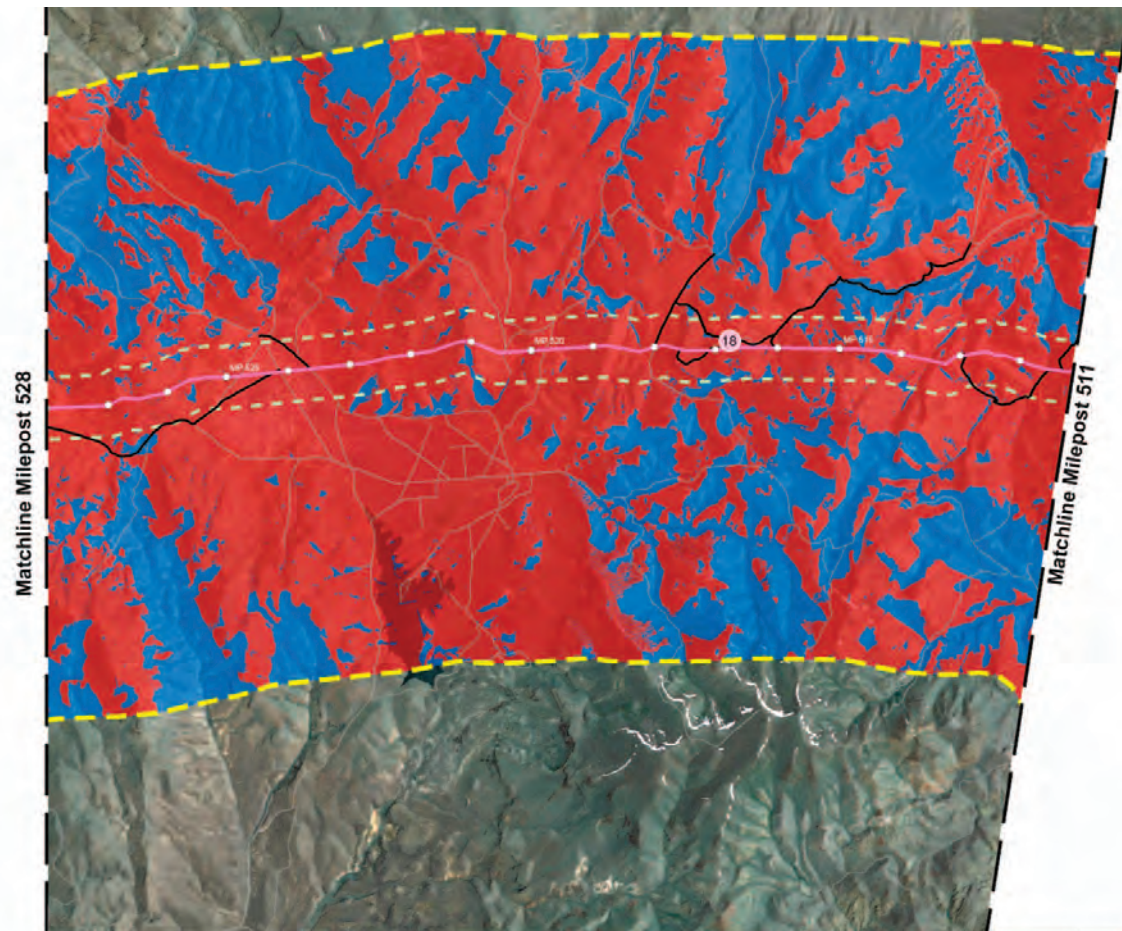




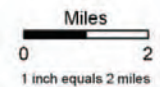
Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment



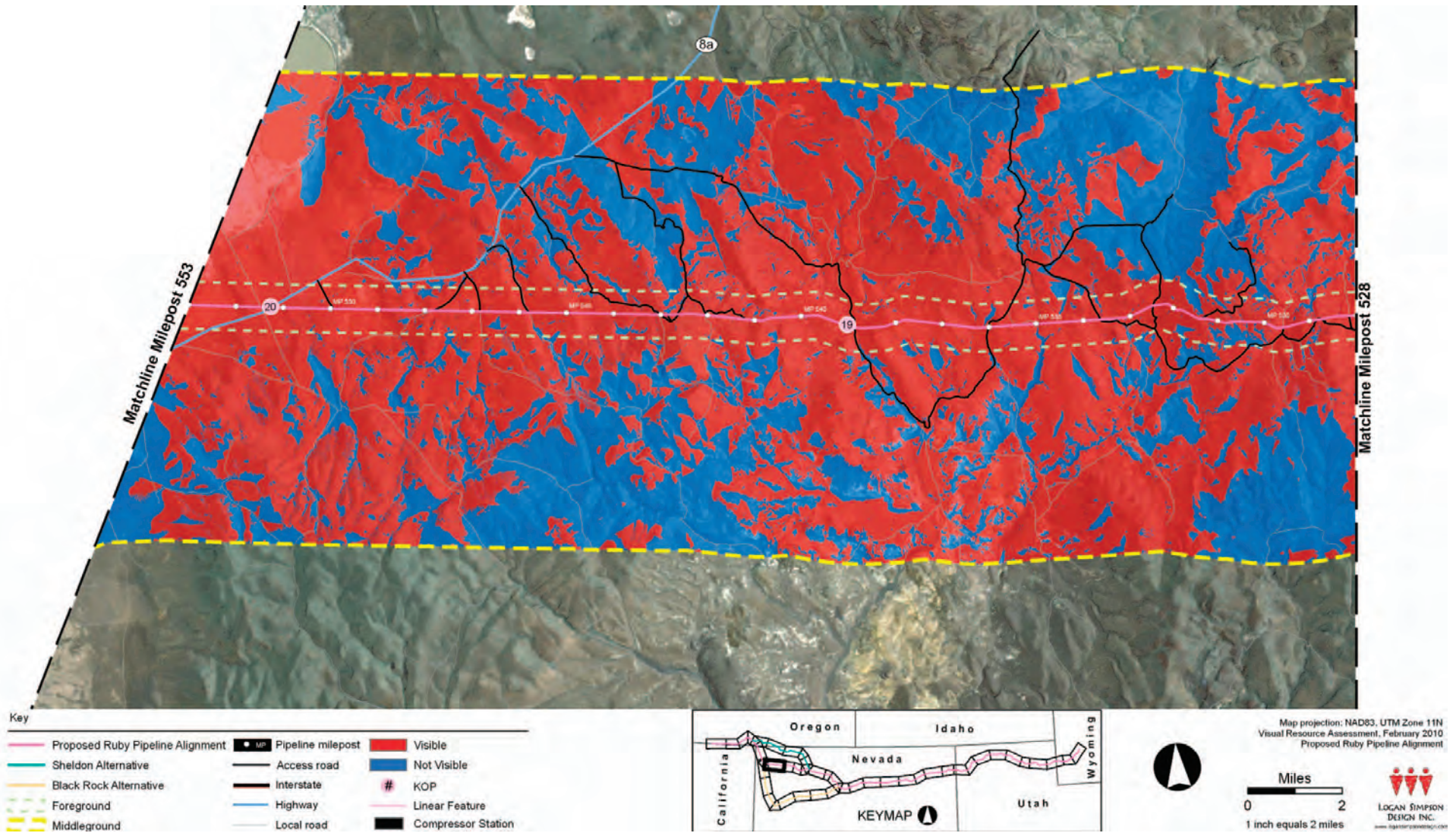




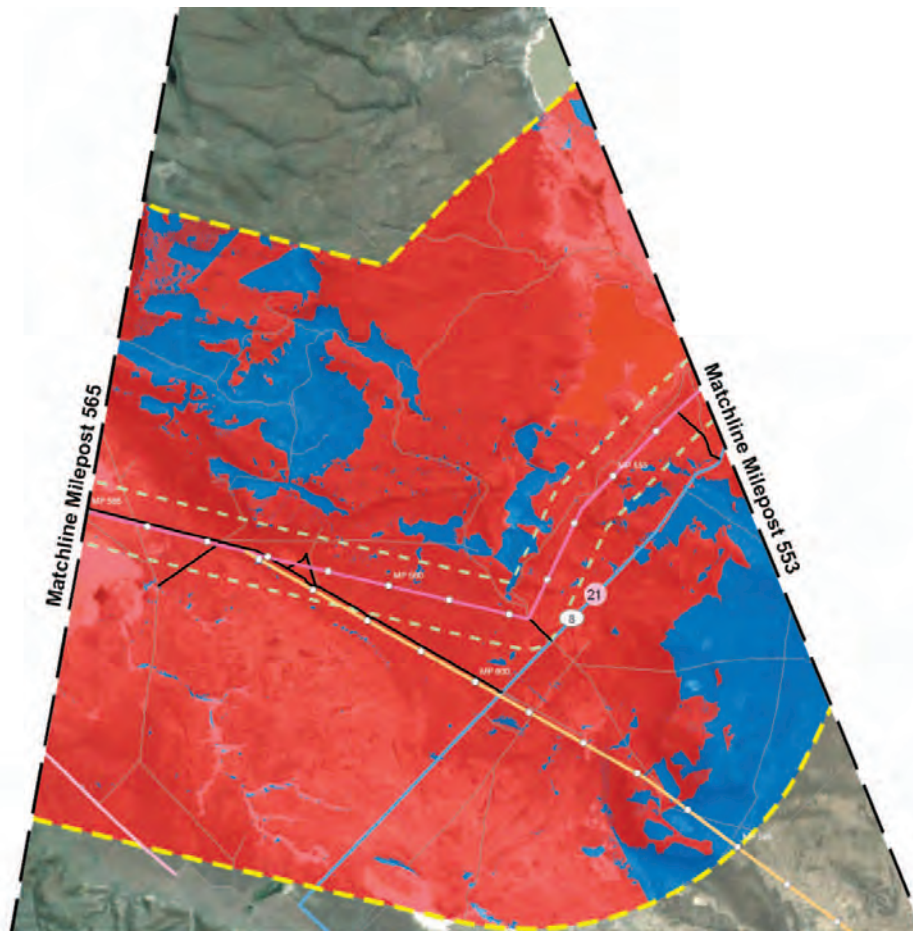
Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment



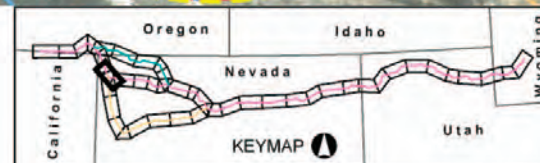








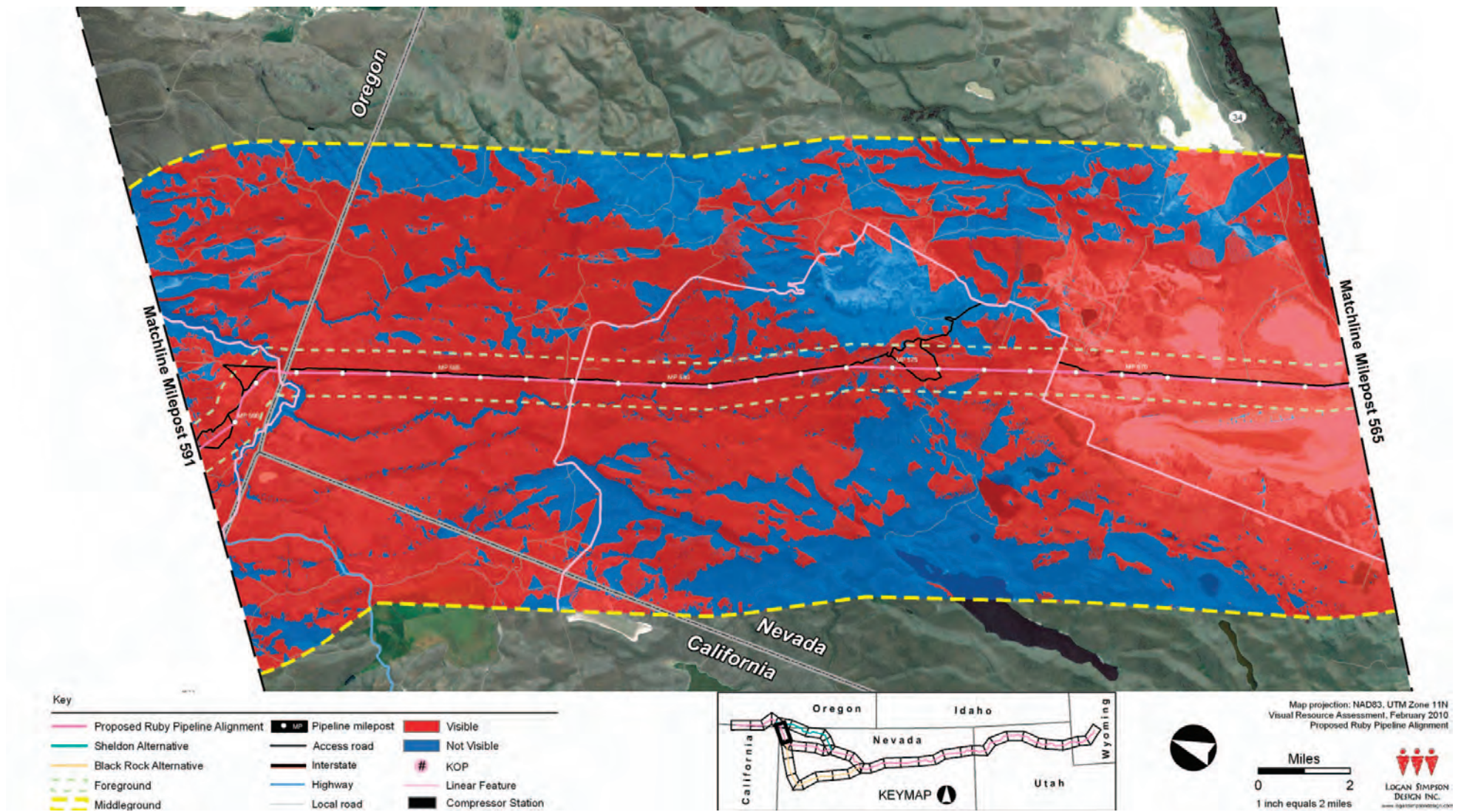
|                                  |                        |                      |
|----------------------------------|------------------------|----------------------|
| Proposed Ruby Pipeline Alignment | ● MP Pipeline milepost | Visible              |
| Sheldon Alternative              | — Access road          | Not Visible          |
| Black Rock Alternative           | — Interstate           | # KOP                |
| Foreground                       | — Highway              | — Linear Feature     |
| Middleground                     | — Local road           | ■ Compressor Station |



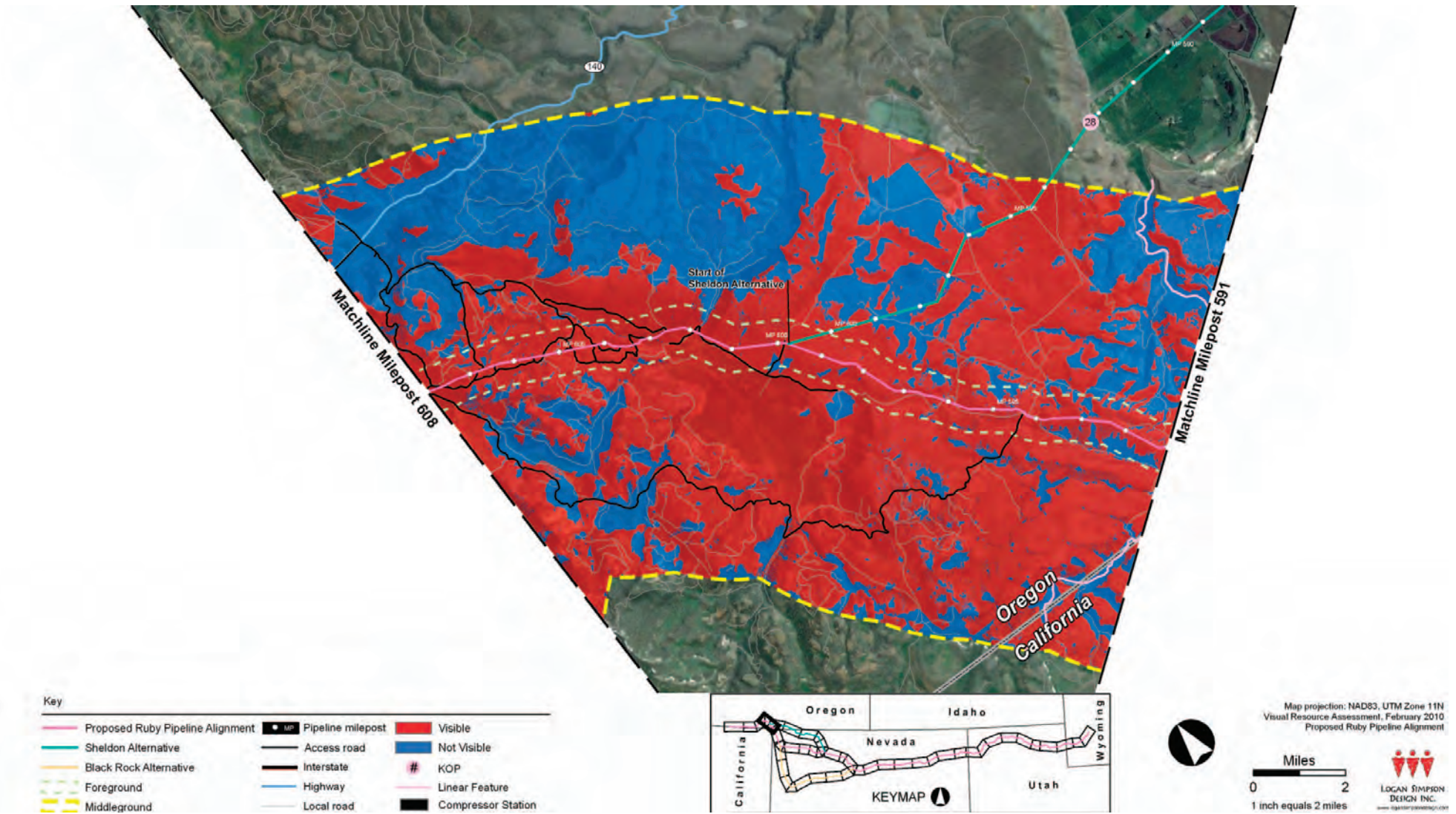
Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment

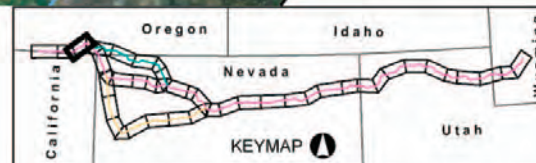
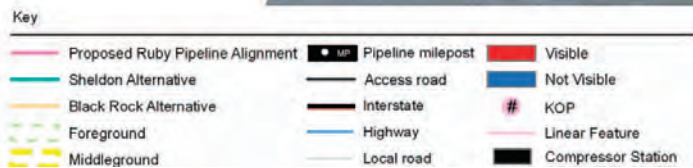
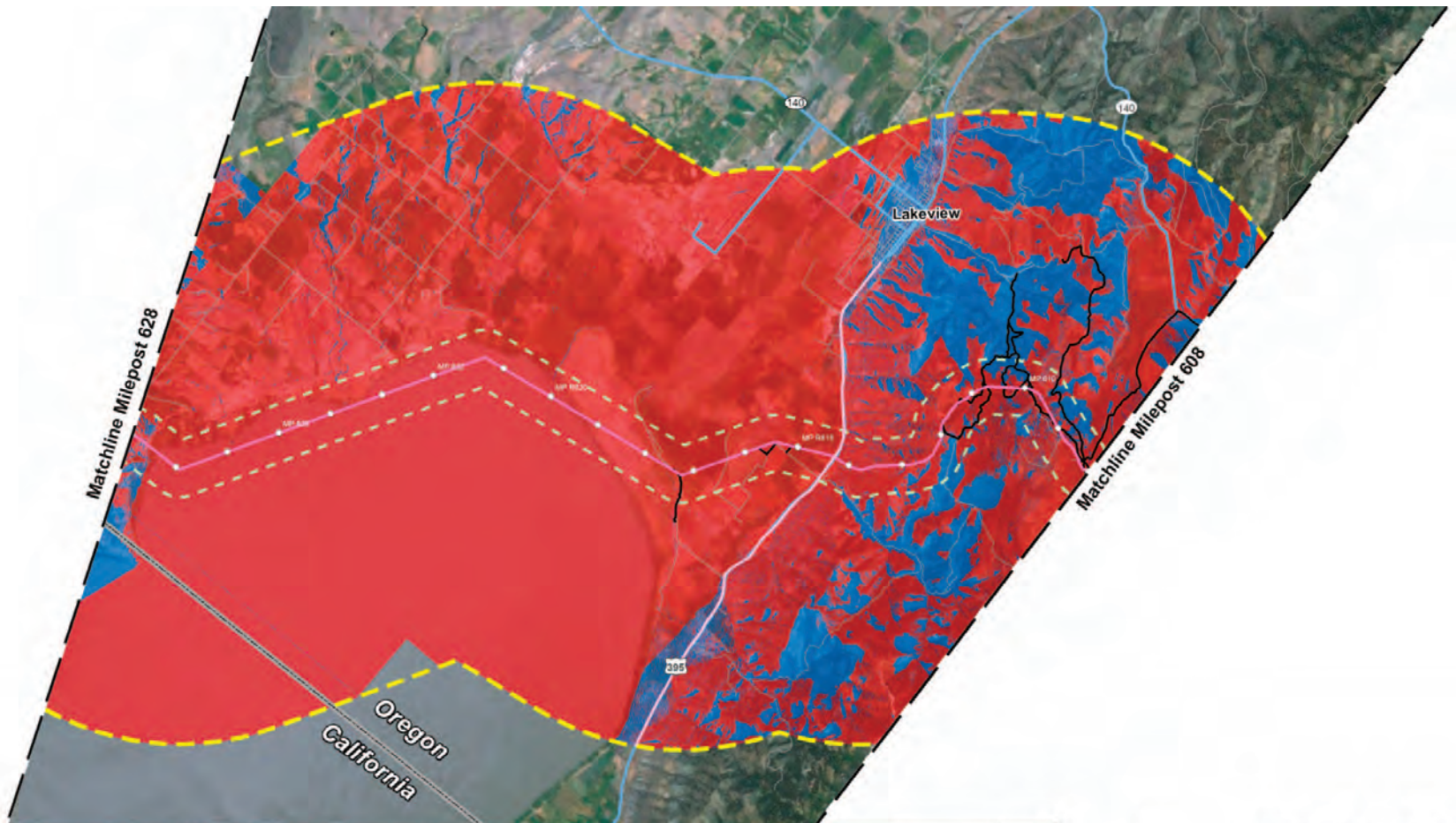
Miles  
0 2  
1 inch equals 2 miles



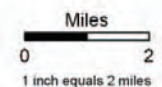




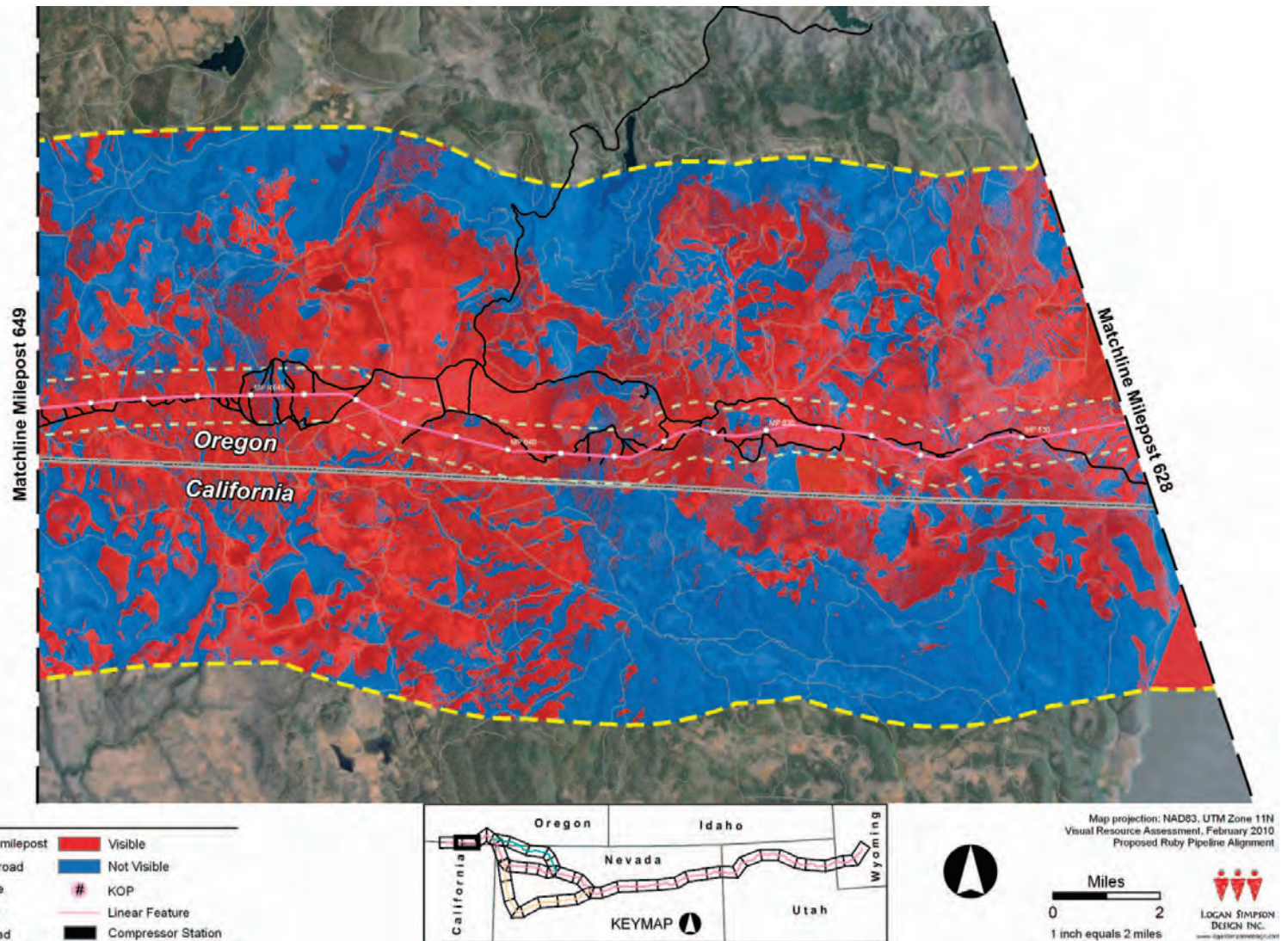




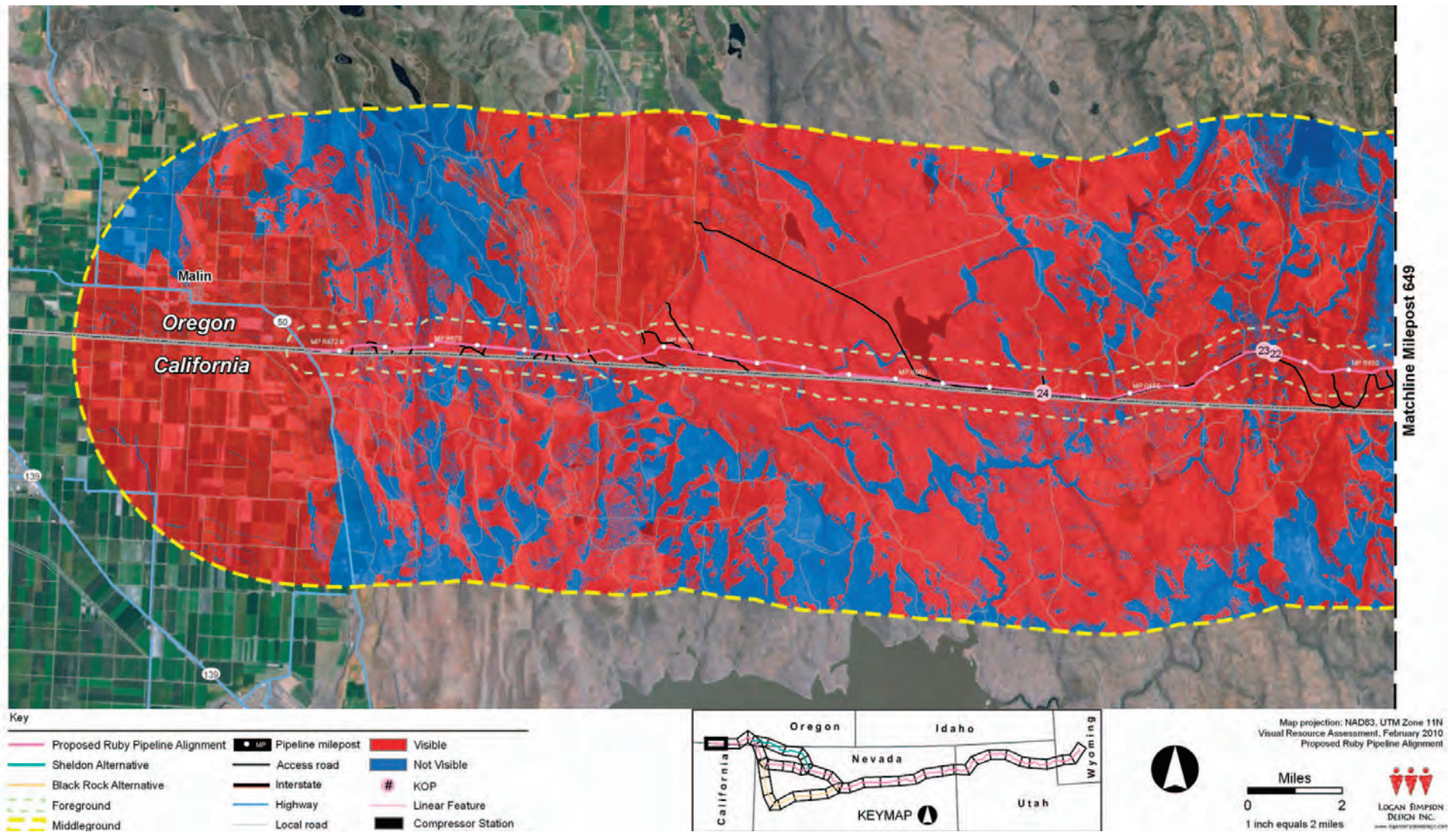
Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment



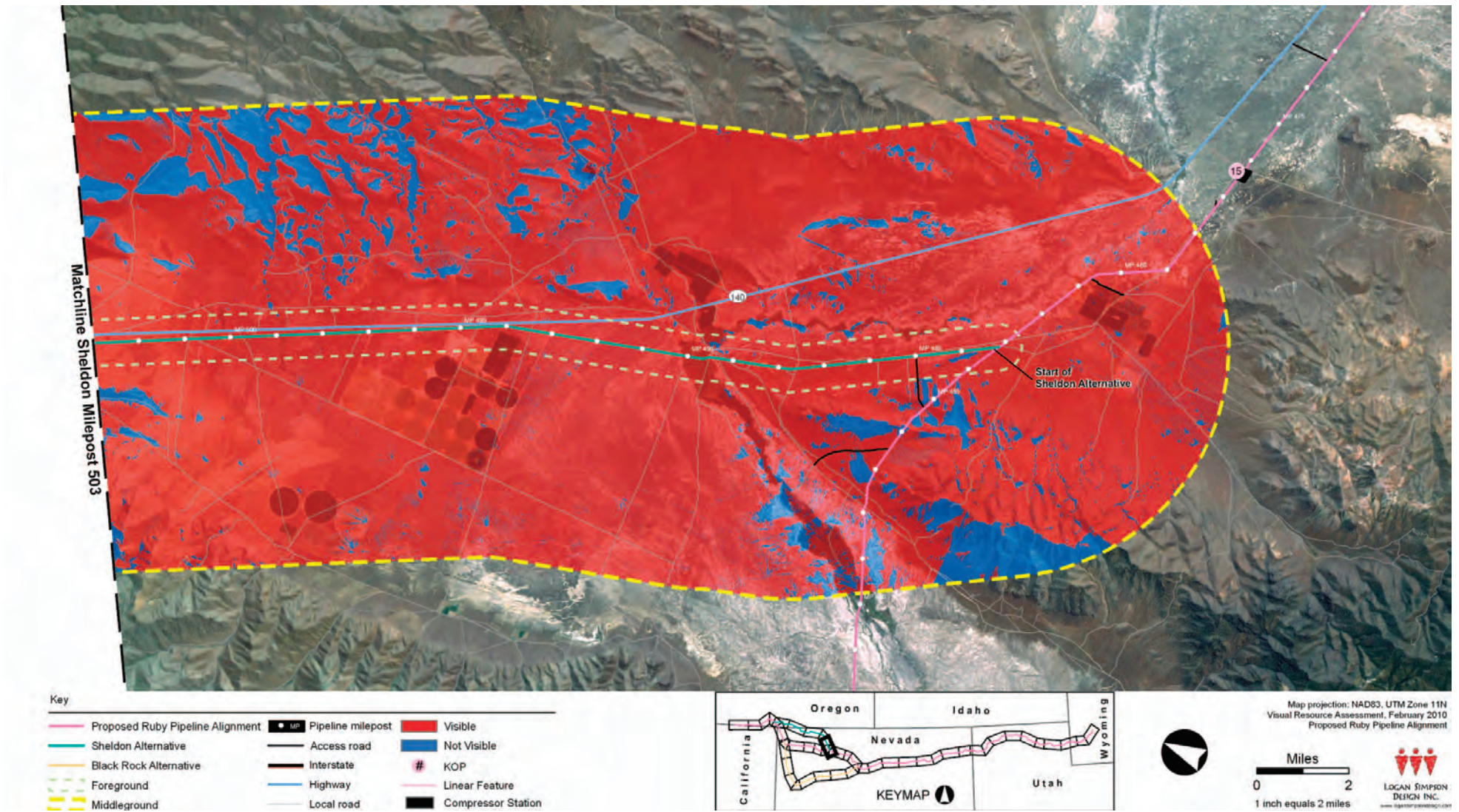


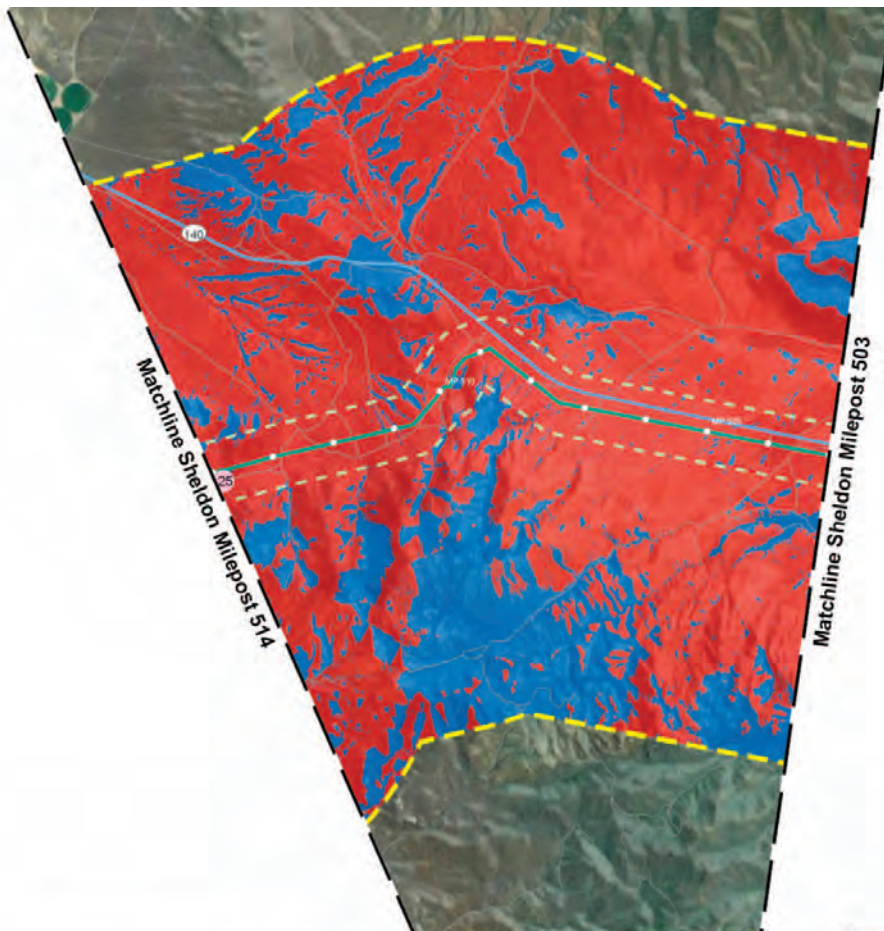




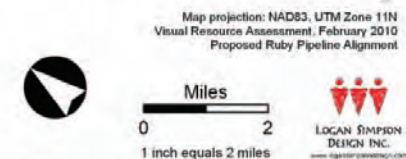
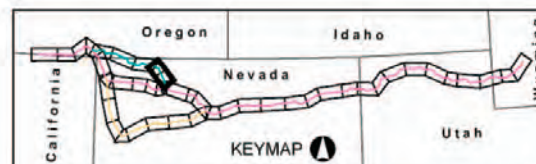




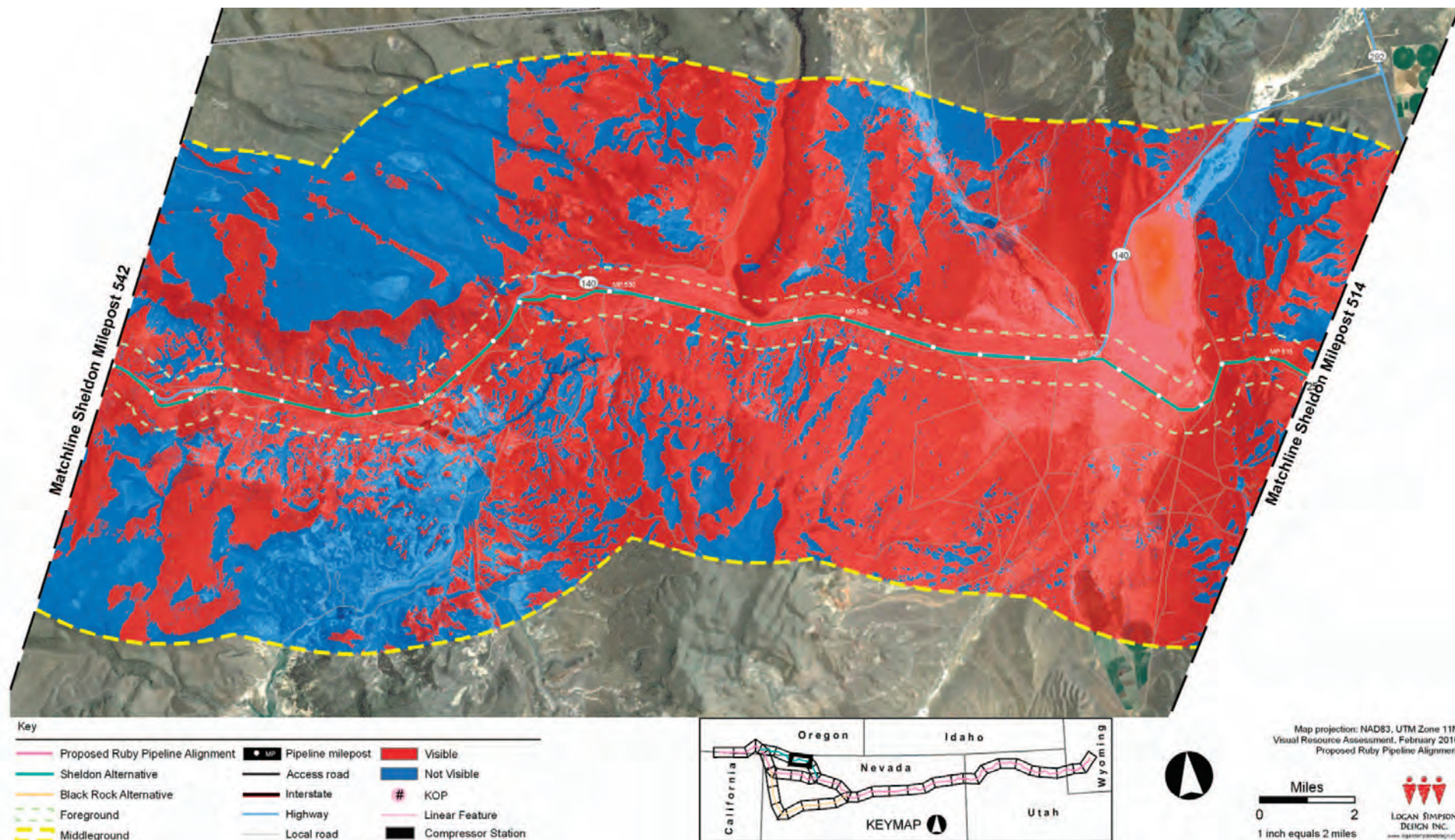




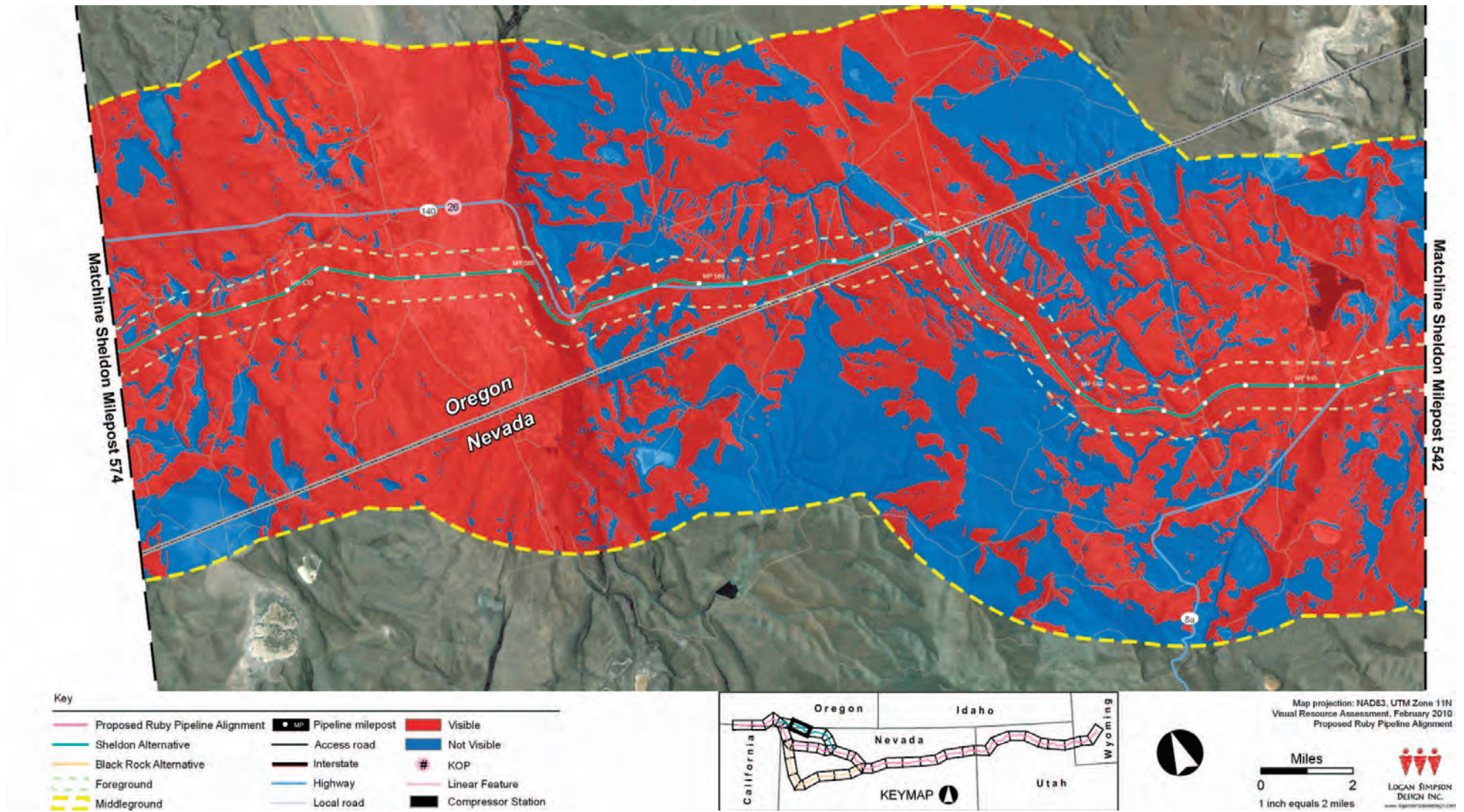
| Key                              |                   |                    |
|----------------------------------|-------------------|--------------------|
| Proposed Ruby Pipeline Alignment | Pipeline milepost | Visible            |
| Sheldon Alternative              | Access road       | Not Visible        |
| Black Rock Alternative           | Interstate        | KOP                |
| Foreground                       | Highway           | Linear Feature     |
| Middleground                     | Local road        | Compressor Station |



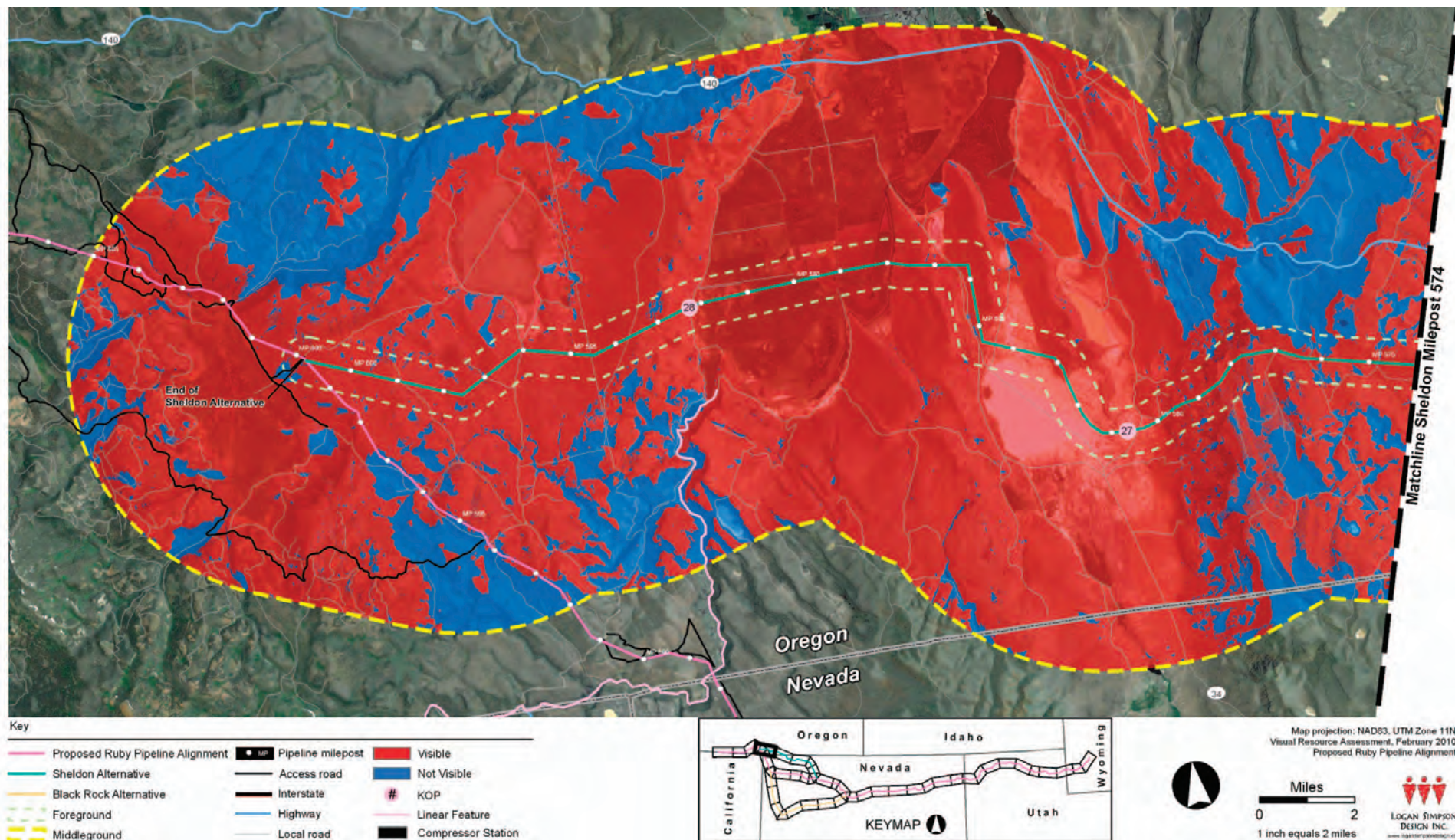




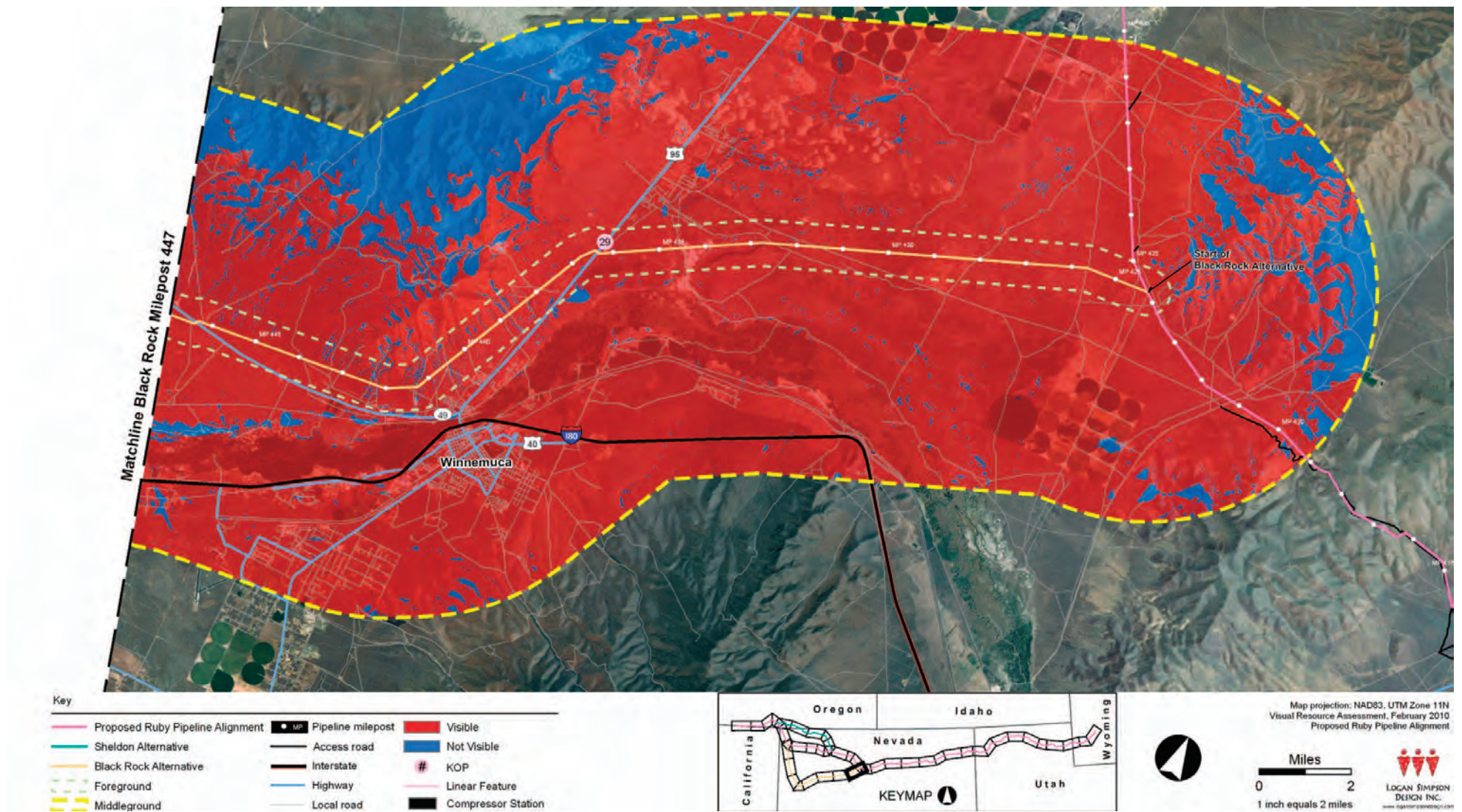




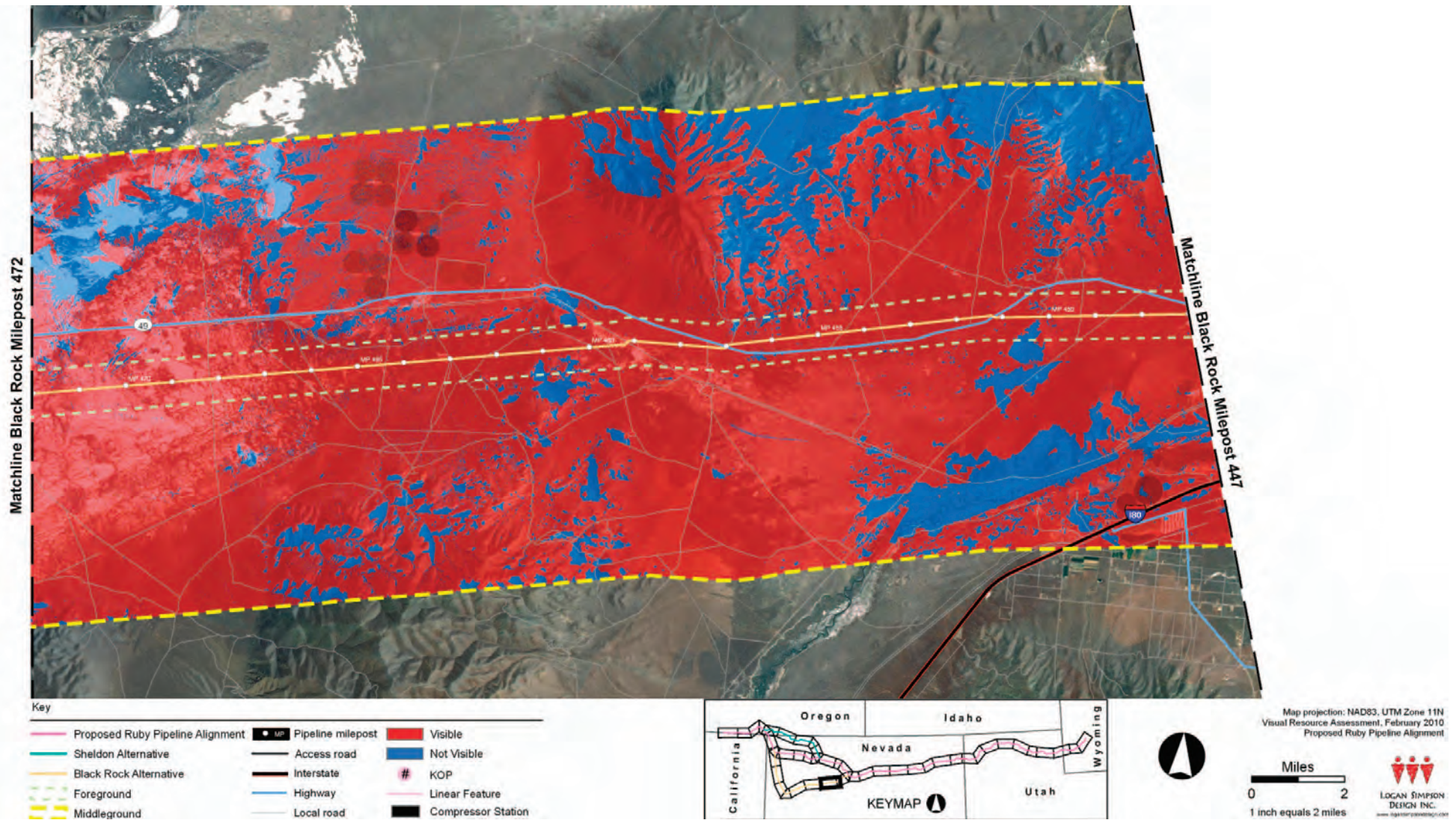




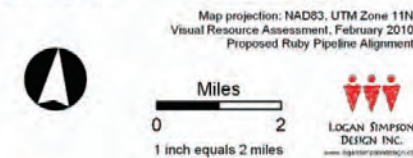
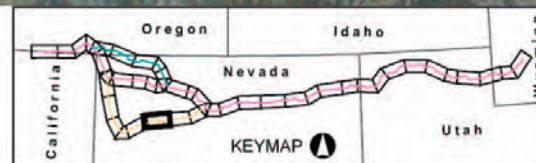
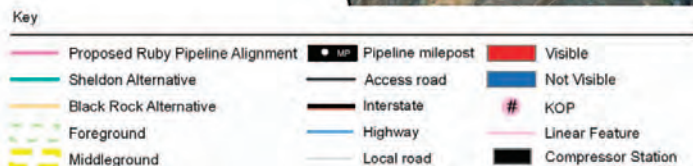
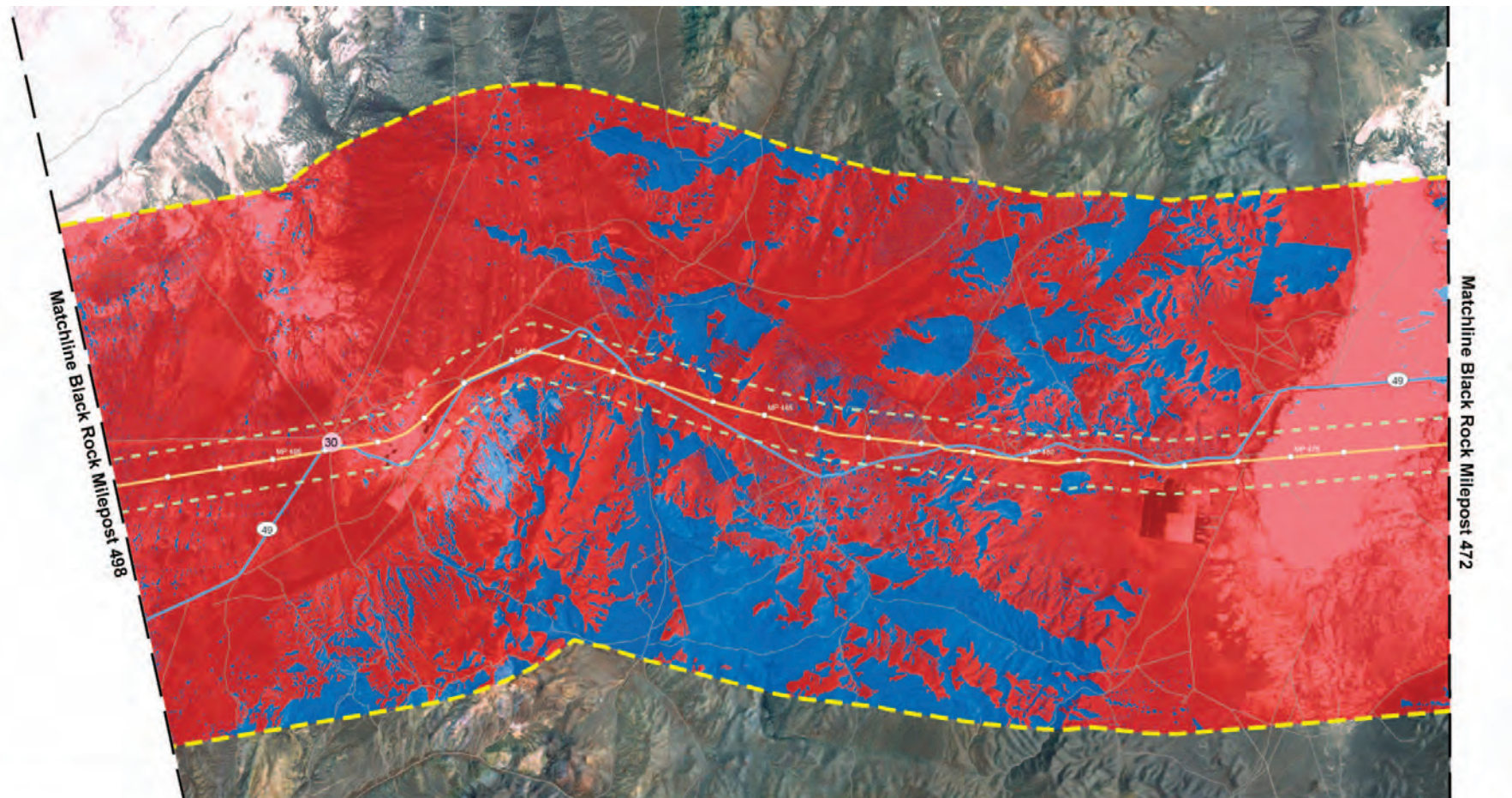




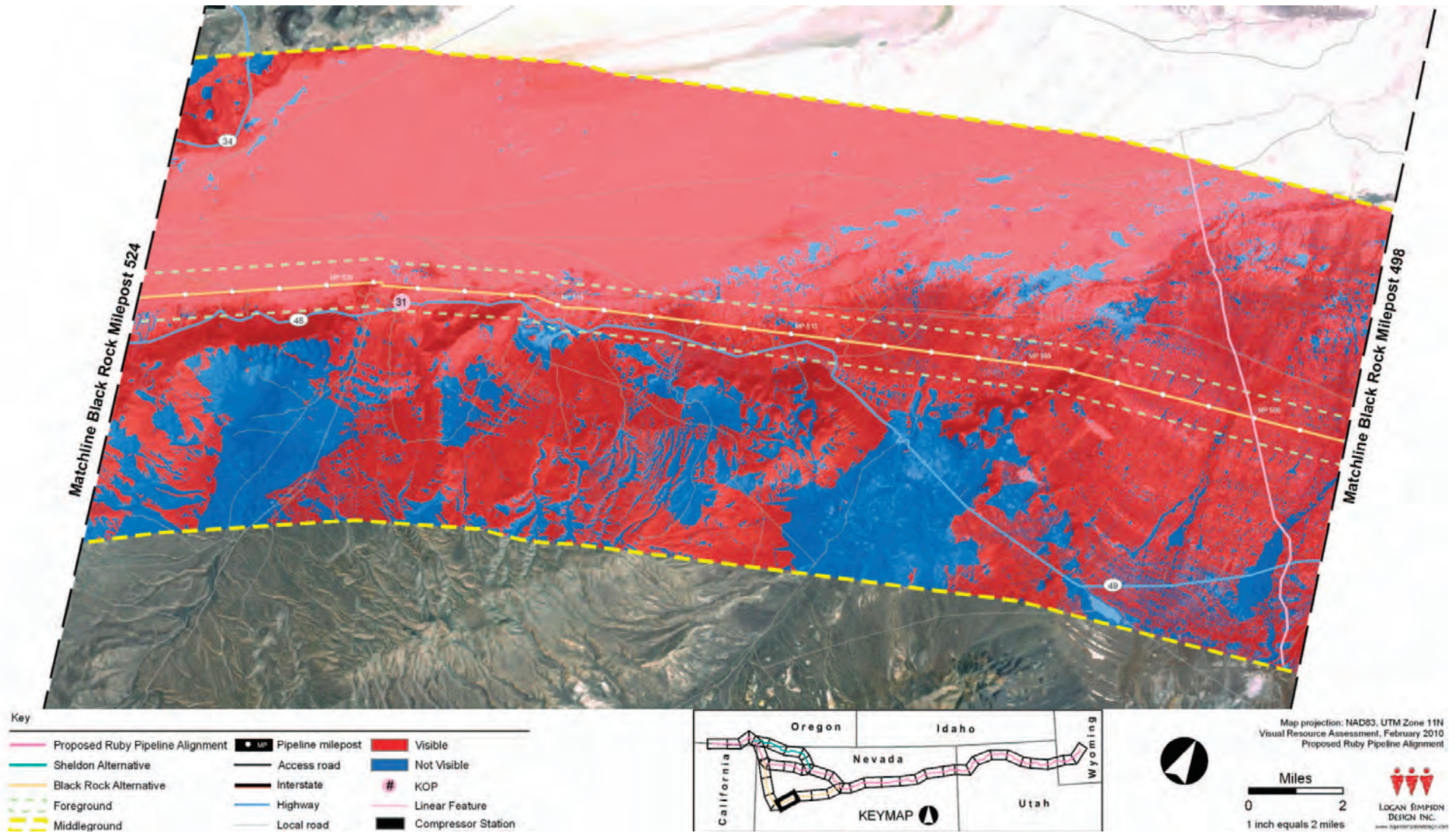


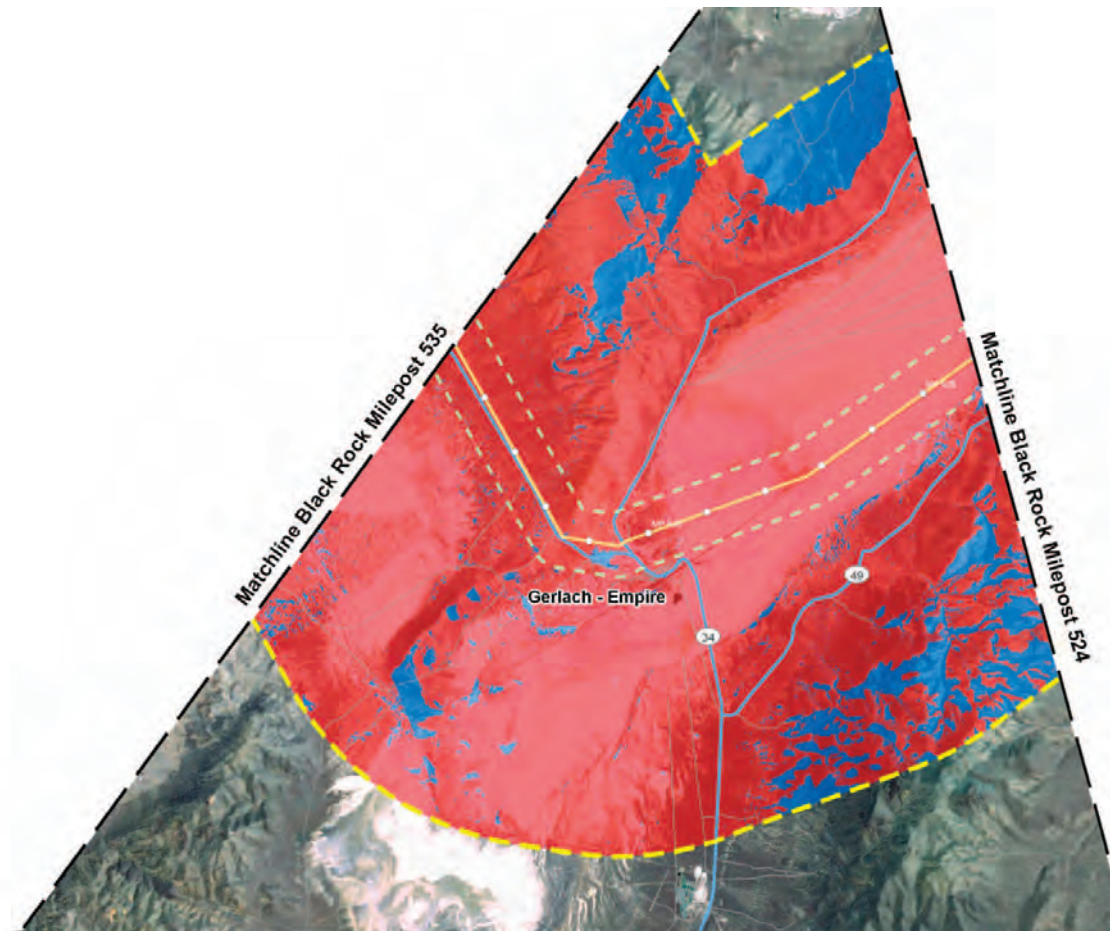




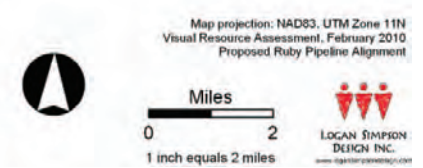
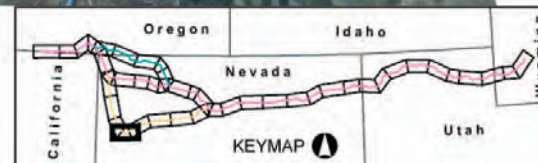




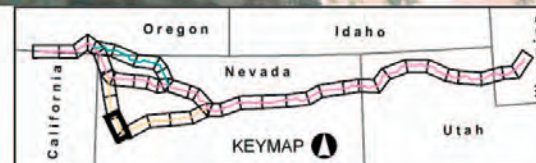
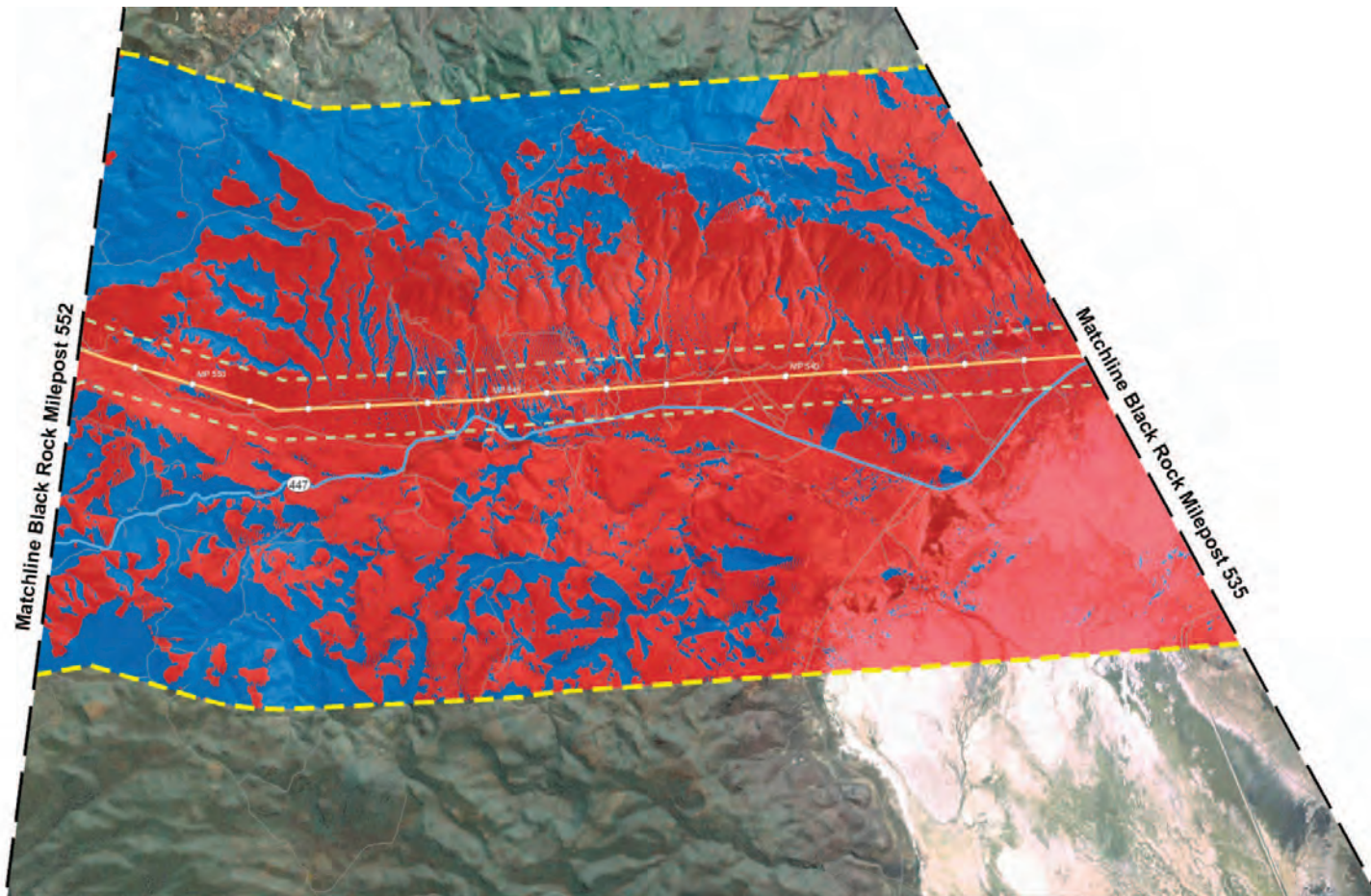




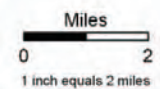
| Key                              |                   |                    |  |
|----------------------------------|-------------------|--------------------|--|
| Proposed Ruby Pipeline Alignment | Pipeline milepost | Visible            |  |
| Sheldon Alternative              | Access road       | Not Visible        |  |
| Black Rock Alternative           | Interstate        | # KOP              |  |
| Foreground                       | Highway           | Linear Feature     |  |
| Middleground                     | Local road        | Compressor Station |  |



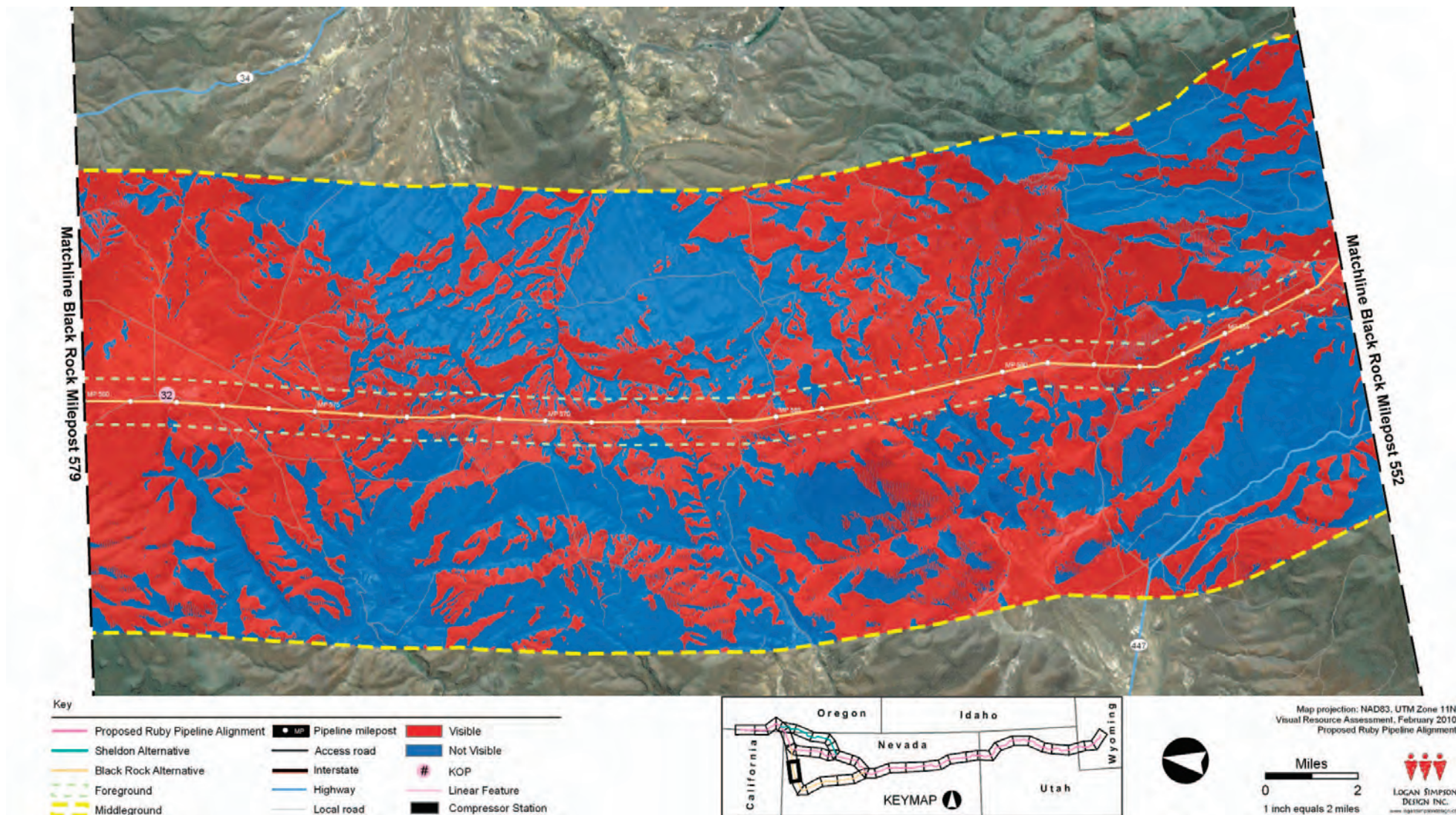




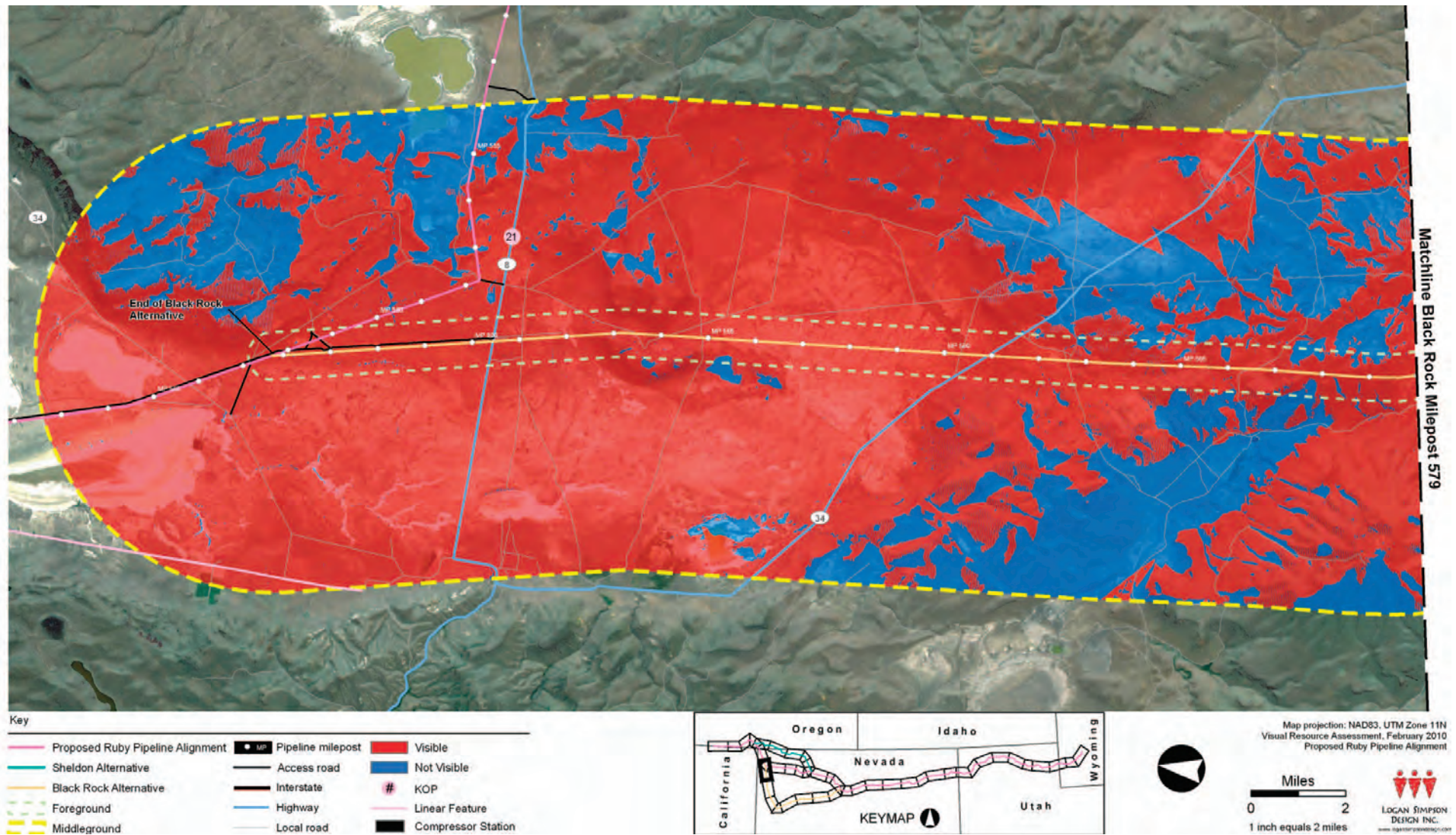
Map projection: NAD83, UTM Zone 11N  
Visual Resource Assessment, February 2010  
Proposed Ruby Pipeline Alignment







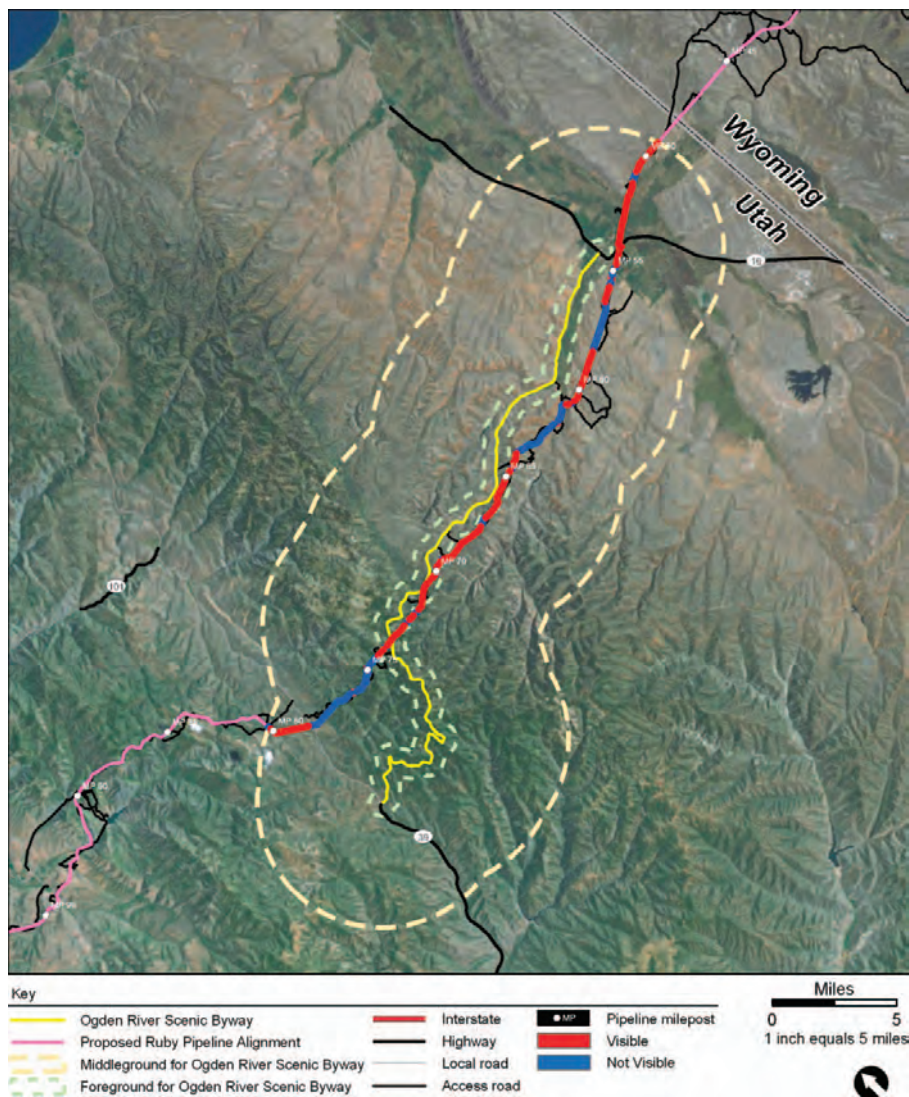




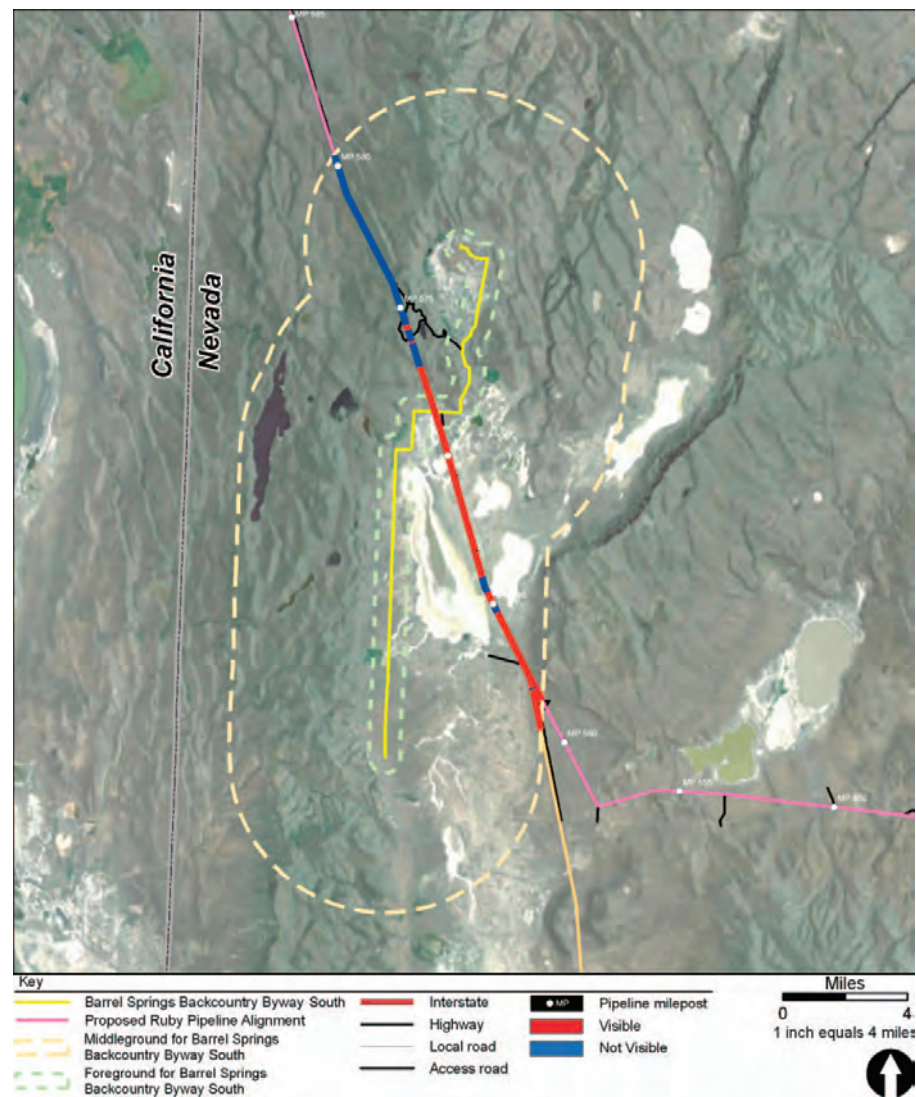
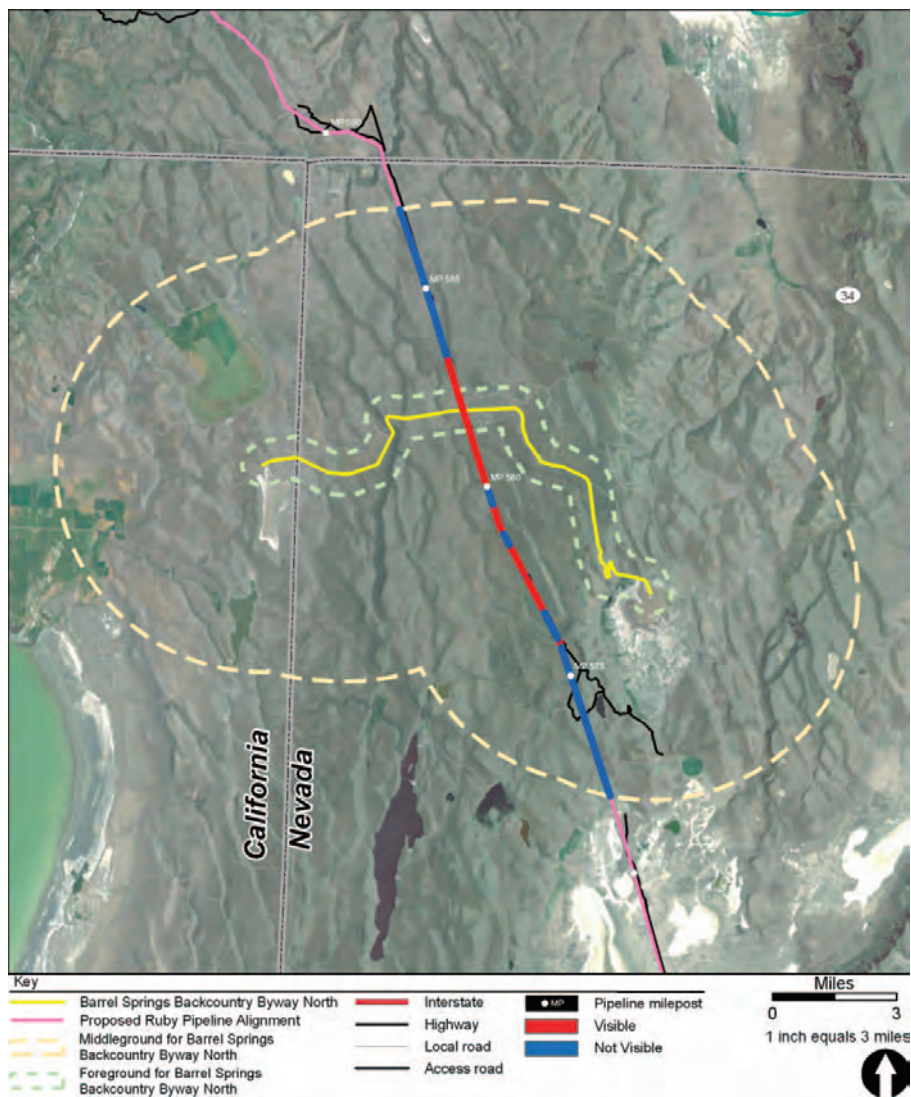




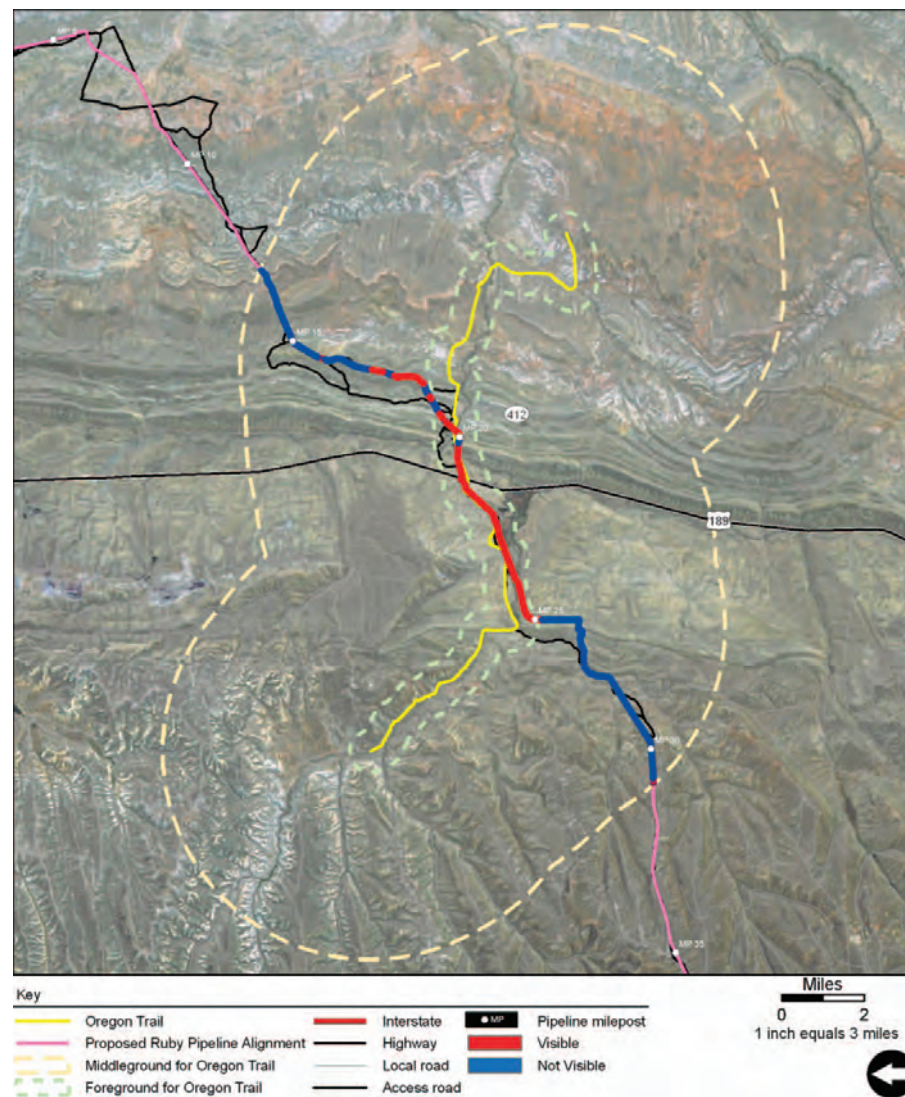
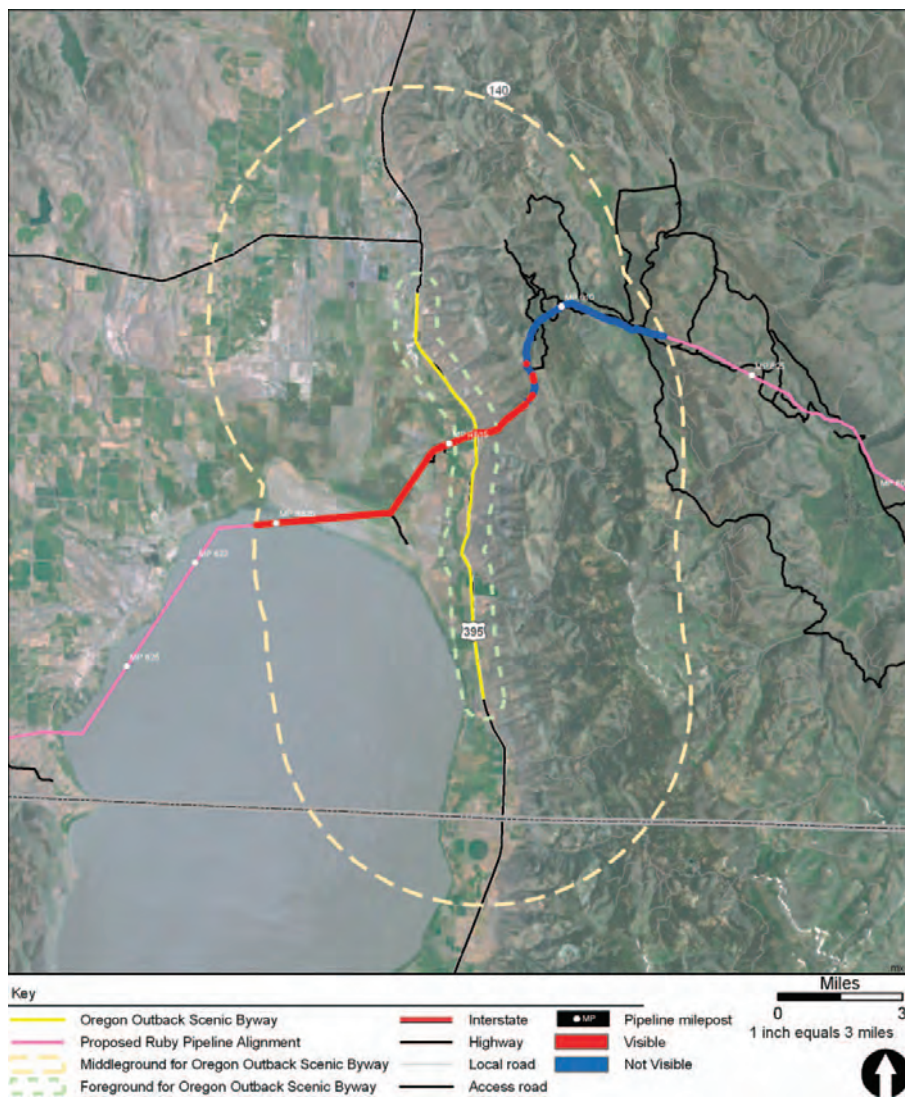
**Appendix D**  
**Scenic Roads, Historic Trails, and Wild and Scenic Rivers**  
**Visibility Analysis**



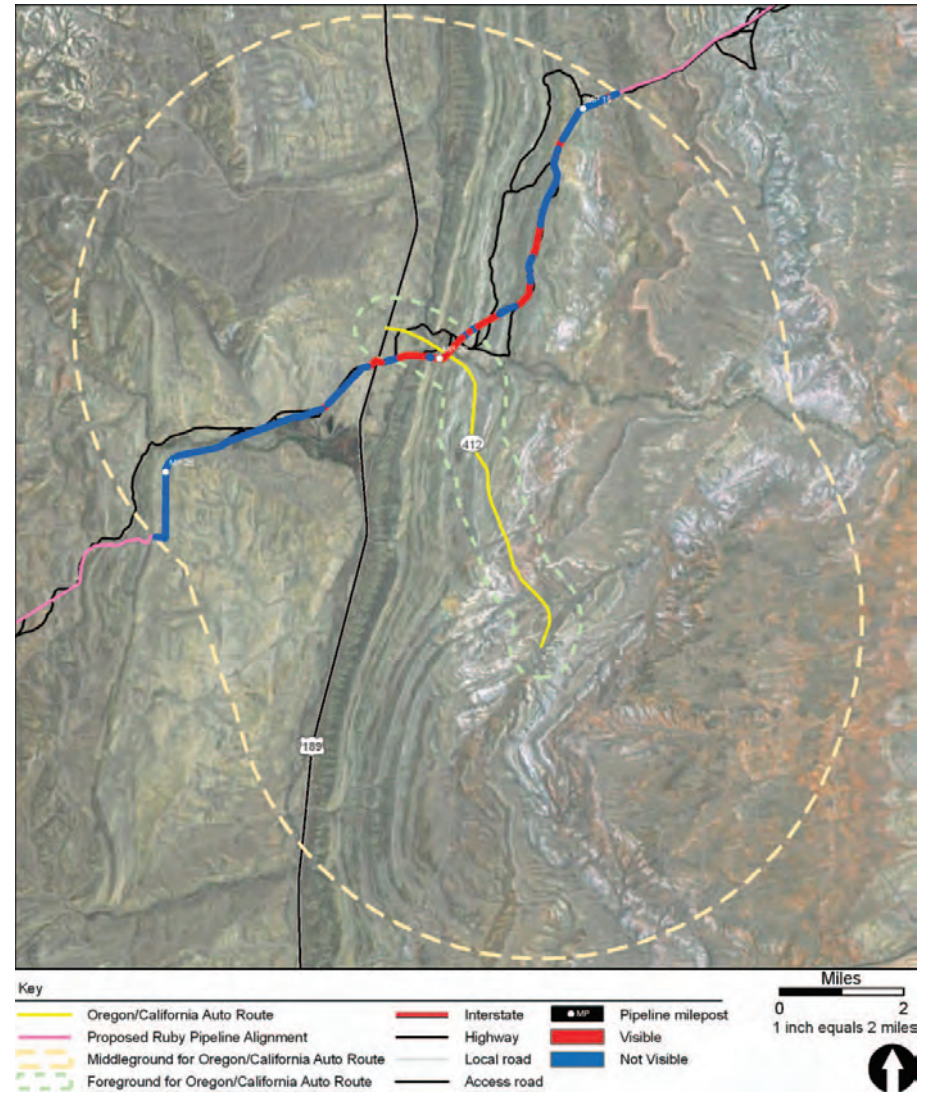
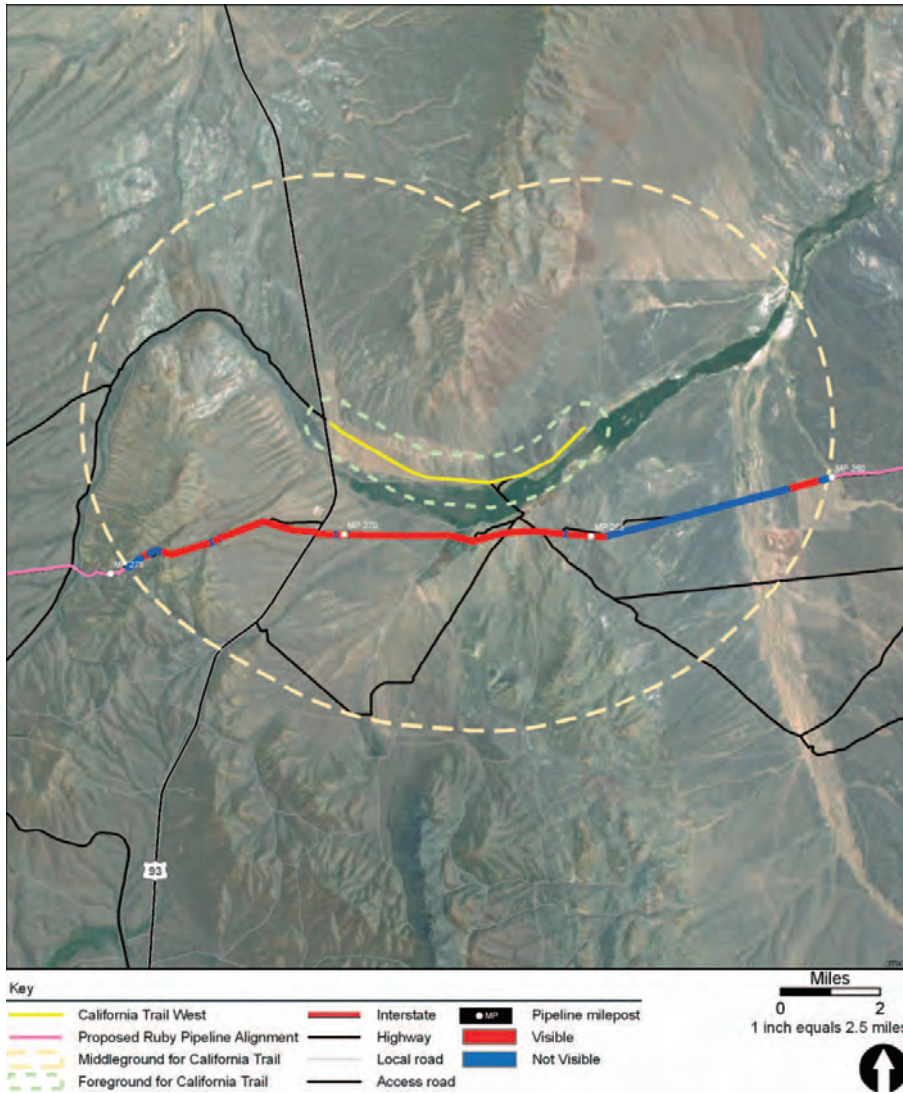




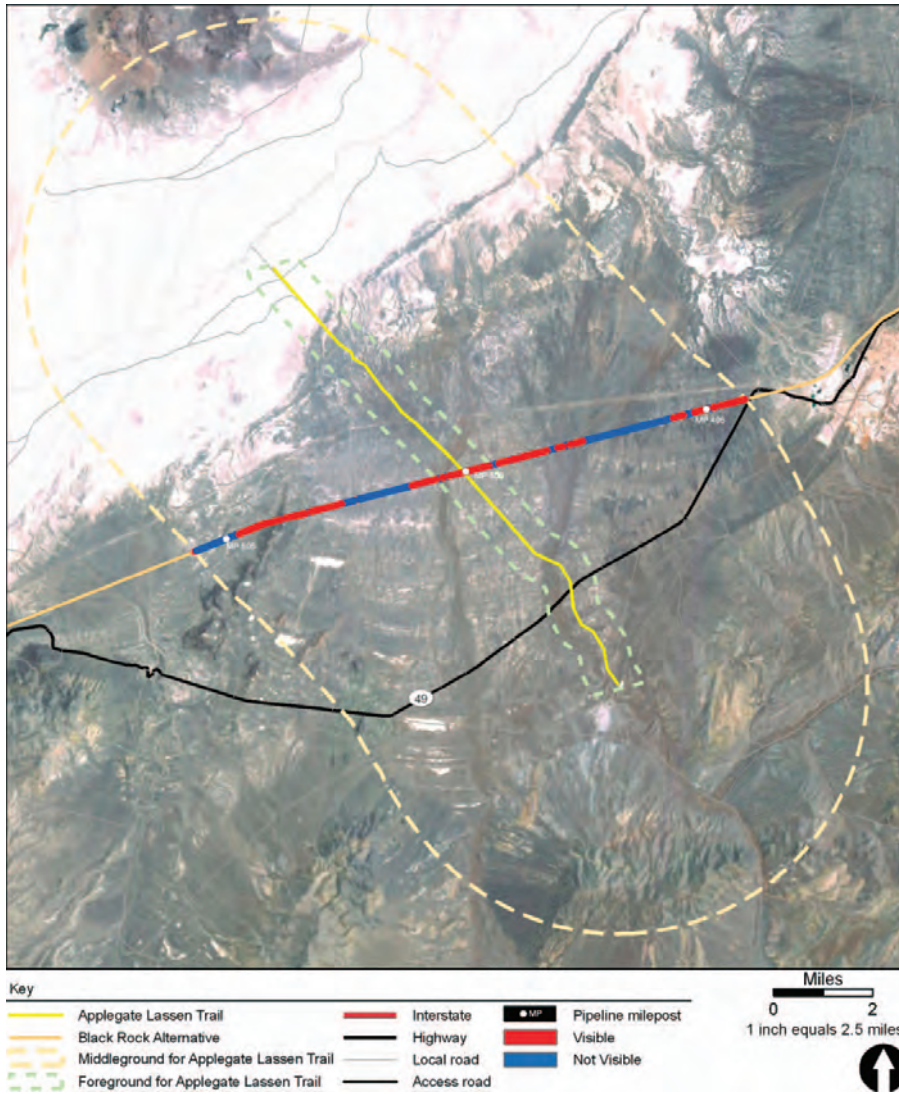




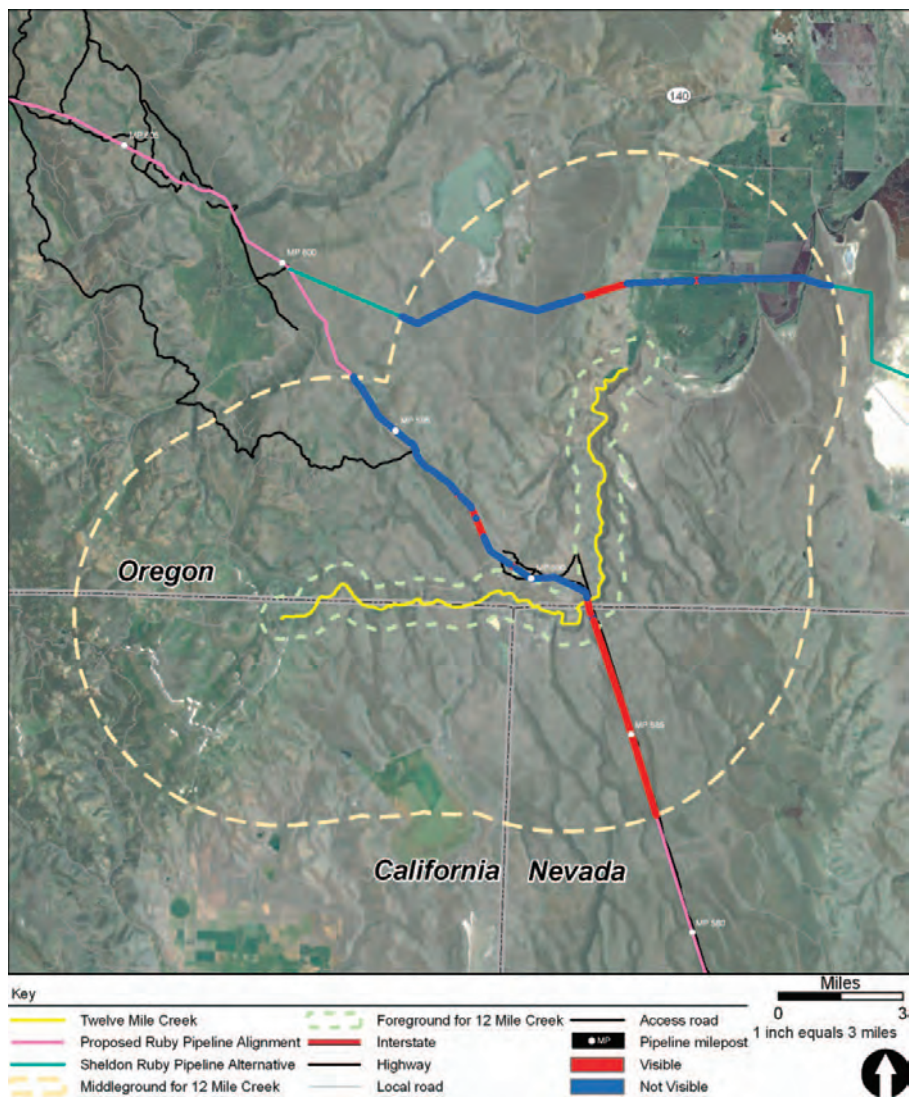
















## **Appendix E**

### **Contrast Rating Forms**

**Date:** October 9, 2009  
**District:** Kemmerer  
**Resource Area:** Kemmerer  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

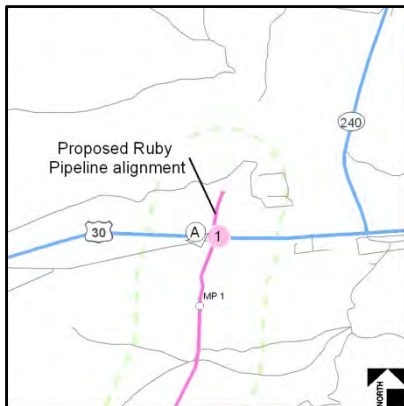
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 1 **VRM:** Class 2

Road crossing on Route 30

**Location:** Township 21N Range 114W Section 28



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody  | Vegetation                     | Structures |
|----------------|-----------------|--------------------------------|------------|
| <b>Form</b>    | Flat to rolling | Low                            |            |
| <b>Line</b>    | Horizontal      | Horizontal                     |            |
| <b>Color</b>   | Grey/brown      | Seasonal green to straw/yellow |            |
| <b>Texture</b> | Fine            | Fine to medium                 |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody | Vegetation                                  | Structures |
|----------------|----------------|---|------------|
| <b>Form</b>    | Flat           | Low, mottled                                |            |
| <b>Line</b>    | Horizontal     | Diagonal                                    |            |
| <b>Color</b>   | Grey/brown     | Light green, seasonal green to straw/yellow |            |
| <b>Texture</b> | Fine           | Fine to medium                              |            |



## IV. CONTRAST RATING (KOP 1)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



**Date:** October 9, 2009  
**District:** Kemmerer District  
**Resource Area:** Kemmerer  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

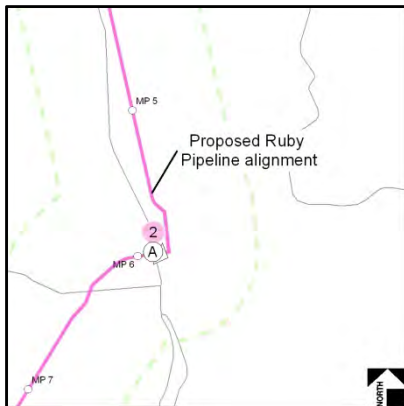
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 2 **VRM:** Class 4

Roberson Creek compressor station

**Location:** Township 20N Range 115W Section 24



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody | Vegetation | Structures               |
|----------------|----------------|------------|--------------------------|
| <b>Form</b>    | Flat           | Low, dense | Geometric                |
| <b>Line</b>    | Horizontal     | Varied     | Horizontal with vertical |
| <b>Color</b>   | Grey / brown   | Grey/green | Neutral Browns           |
| <b>Texture</b> | Fine           | Fine       | Fine to Medium           |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody | Vegetation              | Structures                    |
|----------------|----------------|-------------------------|-------------------------------|
| <b>Form</b>    | Flat           | Low, dense              | Geometric                     |
| <b>Line</b>    | Horizontal     | Straight                | Horizontal with high vertical |
| <b>Color</b>   | Grey/brown     | Light green, grey/green | Neutral browns                |
| <b>Texture</b> | Fine           | Fine                    | Fine to Medium                |



## IV. CONTRAST RATING (KOP 2)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                          |                                     |                                     | Structures                          |                                     |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                                | None                                | Strong                              | Moderate                            | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Kemmerer District  
**Resource Area:** Kemmerer  
**Activity (program):**  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

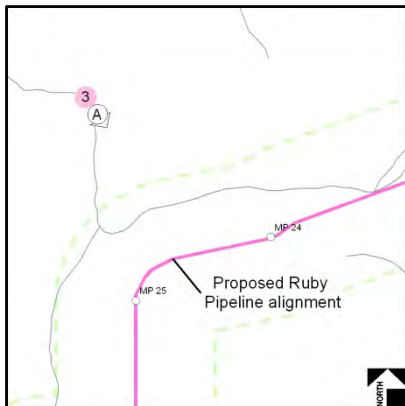
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 3 **VRM:** Class 4

Oregon Trail / California Trail

**Location:** Township 18N Range 117W Section 5



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody | Vegetation | Structures |
|----------------|----------------|------------|------------|
| <b>Form</b>    | Flat           | Low        |            |
| <b>Line</b>    | Horizontal     | Indistinct |            |
| <b>Color</b>   | Grey/brown     | Grey green |            |
| <b>Texture</b> | Fine           | Fine       |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody | Vegetation | Structures |
|----------------|----------------|------------|------------|
| <b>Form</b>    | Flat           | Low        |            |
| <b>Line</b>    | Horizontal     | Distinct   |            |
| <b>Color</b>   | Grey/brown     | Grey/green |            |
| <b>Texture</b> | Fine           | Fine       |            |



## IV. CONTRAST RATING (KOP 3)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** West Desert District  
**Resource Area:** Salt Lake City  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

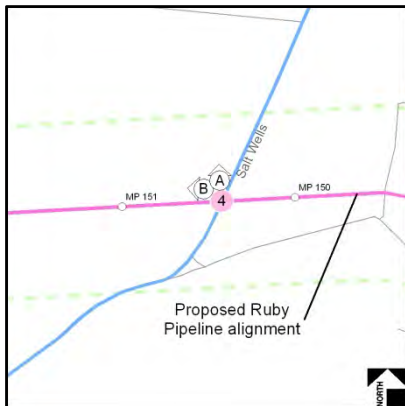
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 4 **VRM:** Class 4

Salt Wells

**Location:** Township 12N Range 7W Section 17



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody          | Vegetation                   | Structures |
|----------------|-------------------------|------------------------------|------------|
| <b>Form</b>    | Flat with distant hills | Low, irregular               |            |
| <b>Line</b>    | Horizontal              | Horizontal to flat, diagonal |            |
| <b>Color</b>   | Brown/grey              | Medium greens                |            |
| <b>Texture</b> | Fine                    | Medium to fine               |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody       | Vegetation                       | Structures |
|----------------|----------------------|----------------------------------|------------|
| <b>Form</b>    | Flat                 | Low, irregular                   |            |
| <b>Line</b>    | Horizontal to sloped | Horizontal flat, diagonal slopes |            |
| <b>Color</b>   | Brown/grey           | Medium greens                    |            |
| <b>Texture</b> | Fine                 | Medium to fine                   |            |



## IV. CONTRAST RATING (KOP 4)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                          |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** 5  
**Resource Area:** Salt Lake City  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

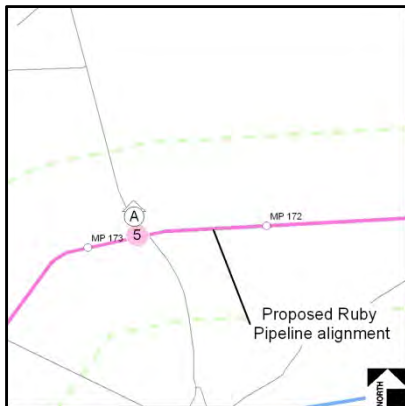
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 5 **VRM:** Class 4

Wildcat Hills compressor station

**Location:** Township 12N Range 11W Section 16



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody     | Vegetation             | Structures         |
|----------------|--------------------|------------------------|--------------------|
| <b>Form</b>    | Flat               | Low, regular           | Roads – flat       |
| <b>Line</b>    | Horizontal         | Horizontal, indistinct | Horizontal, linear |
| <b>Color</b>   | Light grey / brown | Grey green             | Light tan, gray    |
| <b>Texture</b> | Fine               | Fine                   | Fine               |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody     | Vegetation              | Structures                    |
|----------------|--------------------|-------------------------|-------------------------------|
| <b>Form</b>    | Flat               | Low, irregular          | Geometric                     |
| <b>Line</b>    | Horizontal         | Horizontal, distinct    | Horizontal with high vertical |
| <b>Color</b>   | Light grey / brown | Light green, grey/green | Neutral browns                |
| <b>Texture</b> | Fine               | Fine                    | Fine to Medium                |



## IV. CONTRAST RATING (KOP 5)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures                          |                                     |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                              | Moderate                            | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



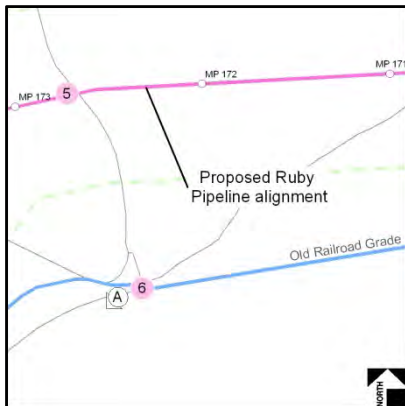
**Date:** October 9, 2009  
**District:** West Desert District  
**Resource Area:** Salt Lake City  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 6 **VRM:** Class 4  
 Kelton

**Location:** Township 12N Range 11W Section 21



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody | Vegetation          | Structures |
|----------------|----------------|---------------------|------------|
| <b>Form</b>    | Flat           | Sparse, low, varied |            |
| <b>Line</b>    | Horizontal     | Irregular           |            |
| <b>Color</b>   | Grays dominate | Browns, green, grey |            |
| <b>Texture</b> | Fine           | Fine                |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody | Vegetation    | Structures |
|----------------|----------------|---------------|------------|
| <b>Form</b>    | Flat           | Low, sparse   |            |
| <b>Line</b>    | Horizontal     | Varied        |            |
| <b>Color</b>   | Grey           | Browns, greys |            |
| <b>Texture</b> | Fine           | Fine          |            |



## IV. CONTRAST RATING (KOP 6)

|                | Land/Waterbody           |                          |                          |                                     | Vegetation               |                          |                          |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                     | None                                | Strong                   | Moderate                 | Weak                     | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** West Desert District  
**Resource Area:** Salt Lake City  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 7 **VRM:** Class 4

Emigrant Trail

**Location:** Township 10N Range 15W Section 9



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody | Vegetation   | Structures |
|----------------|----------------|--------------|------------|
| <b>Form</b>    | Flat           | Low, varied  |            |
| <b>Line</b>    | Straight       | Indistinct   |            |
| <b>Color</b>   | Grey / reds    | Greens /reds |            |
| <b>Texture</b> | Fine           | Fine         |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody | Vegetation   | Structures |
|----------------|----------------|--------------|------------|
| <b>Form</b>    | Flat           | Low, varied  |            |
| <b>Line</b>    | Straight       | Indistinct   |            |
| <b>Color</b>   | Grey / reds    | Greens /reds |            |
| <b>Texture</b> | Fine           | Fine         |            |



## IV. CONTRAST RATING (KOP 7)

|                | Land/Waterbody           |                          |                          |                                     | Vegetation               |                          |                          |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                     | None                                | Strong                   | Moderate                 | Weak                     | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

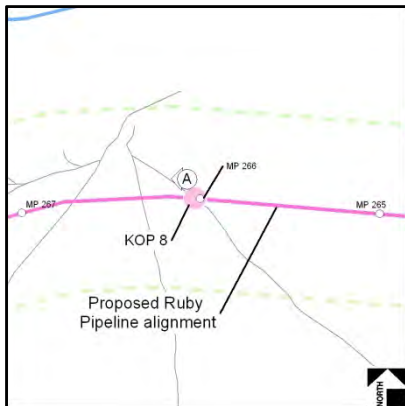
Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Elko District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment  
**Key Observation Point:** 8 **VRM:** Class 2  
 Winecup Ranch  
**Location:** Township 41N Range 64E Section 36



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody        | Vegetation            | Structures |
|----------------|-----------------------|-----------------------|------------|
| <b>Form</b>    | Flat                  | Low, varied           | Vertical   |
| <b>Line</b>    | Horizontal / diagonal | Horizontal / diagonal | Strong     |
| <b>Color</b>   | Tans/ browns          | Brown, green, tan     | Brown      |
| <b>Texture</b> | Fine                  | Fine                  | Fine       |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody        | Vegetation   | Structures |
|----------------|-----------------------|--------------|------------|
| <b>Form</b>    | Flat                  | Low          | Vertical   |
| <b>Line</b>    | Horizontal / diagonal | Distinct     | Strong     |
| <b>Color</b>   | Tans / brown          | Brown, green | Brown      |
| <b>Texture</b> | Fine                  | Fine         | Fine       |



## IV. CONTRAST RATING (KOP 8)

|                | Land/Waterbody           |                          |                          |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                                     |
|----------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
|                | Strong                   | Moderate                 | Weak                     | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                                |
| <b>Form</b>    |                          |                          |                          |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Line</b>    |                          |                          |                          |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Color</b>   |                          |                          |                          |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Texture</b> |                          |                          |                          |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☐ Yes ☒ No

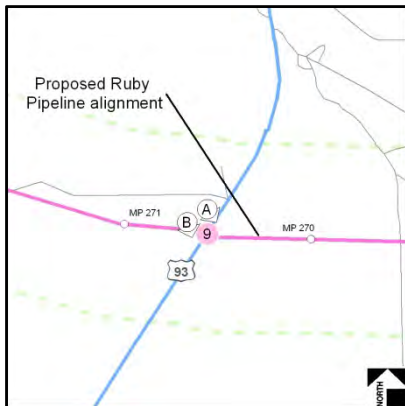
Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



**Date:** October 9, 2009  
**District:** Elko District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment  
**Key Observation Point:** 9 **VRM:** Class 4  
 US 93 Crossing / Staging  
**Location:** Township 41N Range 64E Section 29



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody        | Vegetation   | Structures |
|----------------|-----------------------|--------------|------------|
| <b>Form</b>    | Flat                  | Low, regular |            |
| <b>Line</b>    | Horizontal / diagonal | Indistinct   |            |
| <b>Color</b>   | Medium grey / brown   | Grey / green |            |
| <b>Texture</b> | Fine                  | Fine         |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody             | Vegetation                | Structures |
|----------------|----------------------------|---------------------------|------------|
| <b>Form</b>    | Flat                       | Low, irregular            |            |
| <b>Line</b>    | Horizontal / diagonal      | Distinct                  |            |
| <b>Color</b>   | Light – medium grey/ brown | Grey / green, light green |            |
| <b>Texture</b> | Fine                       | Fine                      |            |



## IV. CONTRAST RATING (KOP 9)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

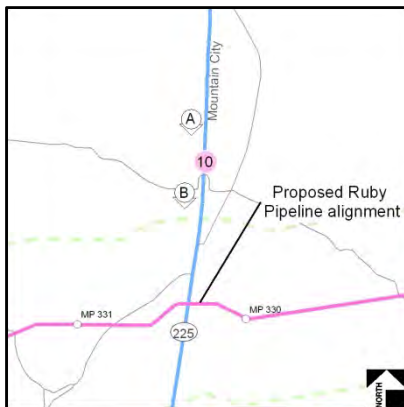
Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Elko District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment  
**Key Observation Point:** 10 **VRM:** Class 3  
 Wieland Flat / Compressor Station  
**Location:** Township 39N Range 55E Section 20



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody             | Vegetation                     | Structures                                       |
|----------------|----------------------------|--------------------------------|--|
| <b>Form</b>    | Flat to Rolling            | Low, regular                   | Flat road, vertical transmission towers          |
| <b>Line</b>    | Horizontal to angled       | Horizontal , indistinct        | Angled/linear road, vertical transmission towers |
| <b>Color</b>   | Light to dark brown / grey | Seasonal green to straw/yellow | Dark to light grey                               |
| <b>Texture</b> | Fine                       | Fine to medium                 | Fine   |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody             | Vegetation                     | Structures  |
|----------------|----------------------------|--------------------------------|---|
| <b>Form</b>    | Flat to rolling            | Low , irregular                | Flat road, vertical transmission towers, geometric                        |
| <b>Line</b>    | Horizontal to angled       | Horizontal, distinct           | Angled/linear road, vertical trans. towers, horizontal with high vertical |
| <b>Color</b>   | Light to dark brown / grey | Seasonal green to straw/yellow | Dark to light grey, neutral browns  |
| <b>Texture</b> | Fine                       | Fine to medium                 | Fine to medium  |



## IV. CONTRAST RATING (KOP 10)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                          |                                     |                                     | Structures                          |                                     |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                                | None                                | Strong                              | Moderate                            | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

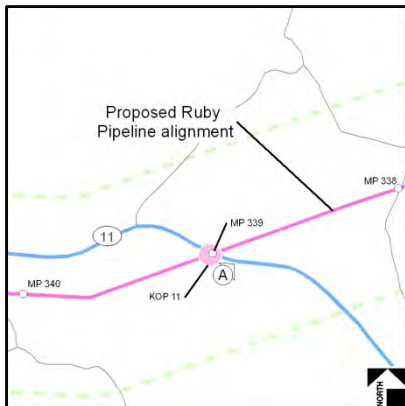
Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



**Date:** October 9, 2009  
**District:** Elko District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment  
**Key Observation Point:** 11 **VRM:** Class 3  
 Highway 226 crossing  
**Location:** Township 39N Range 53E Section 36



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody        | Vegetation                          | Structures |
|----------------|-----------------------|-------------------------------------|------------|
| <b>Form</b>    | Rolling               | Low, regular                        |            |
| <b>Line</b>    | Horizontal to angular | Indistinct                          |            |
| <b>Color</b>   | Tan to brown          | Seasonal green to straw, grey/green |            |
| <b>Texture</b> | Fine                  | Fine to medium                      |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody        | Vegetation                          | Structures |
|----------------|-----------------------|-------------------------------------|------------|
| <b>Form</b>    | Rolling               | Low, irregular                      |            |
| <b>Line</b>    | Horizontal to angular | Distinct                            |            |
| <b>Color</b>   | Light tan to brown    | Seasonal green to straw, grey/green |            |
| <b>Texture</b> | Fine                  | Fine to medium                      |            |



## IV. CONTRAST RATING (KOP 11)

|                | Land/Waterbody           |                                     |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Elko District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

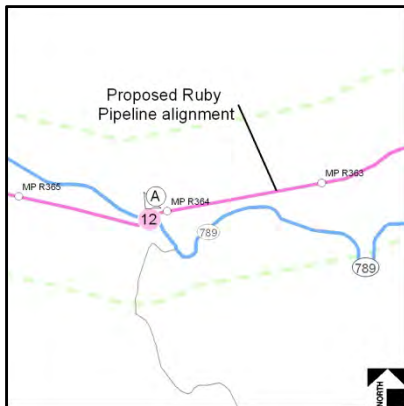
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 12 **VRM:** Class 4

China Creek Crossing

**Location:** Township 38N Range 49E Section 3



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody             | Vegetation              | Structures |
|----------------|----------------------------|-------------------------|------------|
| <b>Form</b>    | Flat to rolling            | Low, regular            |            |
| <b>Line</b>    | Horizontal to curved       | Horizontal, indistinct  |            |
| <b>Color</b>   | Light to dark brown / grey | Seasonal green to straw |            |
| <b>Texture</b> | Fine                       | Fine to medium          |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody             | Vegetation                           | Structures |
|----------------|----------------------------|--------------------------------------|------------|
| <b>Form</b>    | Flat to rolling            | Low, irregular                       |            |
| <b>Line</b>    | Horizontal to curved       | Horizontal, distinct, angled         |            |
| <b>Color</b>   | Light to dark brown / grey | Seasonal green to straw, light green |            |
| <b>Texture</b> | Fine                       | Fine to medium                       |            |



## IV. CONTRAST RATING (KOP 12)

|                | Land/Waterbody           |                                     |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

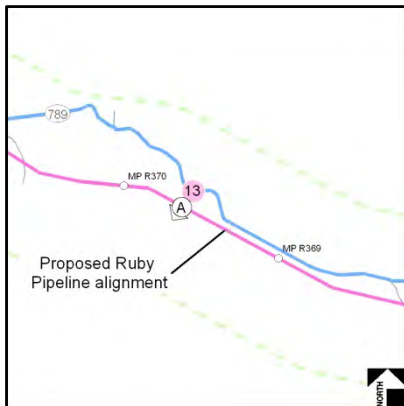
Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Elko District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment  
**Key Observation Point:** 13 **VRM:** Class 4  
 Willow Creek Reservoir  
**Location:** Township 39N Range 48E Section 34



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody                    | Vegetation                                 | Structures |
|----------------|-----------------------------------|--|------------|
| <b>Form</b>    | Flat to rolling with small buttes | Low, amorphous, regular                    |            |
| <b>Line</b>    | Horizontal to angular             | Horizontal, indistinct                     |            |
| <b>Color</b>   | Brown to dark brown               | Seasonal green to straw/yellow, grey/green |            |
| <b>Texture</b> | Fine to medium                    | Fine to medium                             |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody                    | Vegetation  | Structures |
|----------------|-----------------------------------|---|------------|
| <b>Form</b>    | Flat to rolling with small buttes | Low , geometric, irregular                              |            |
| <b>Line</b>    | Horizontal to angular             | Horizontal, distinct                                    |            |
| <b>Color</b>   | Light brown to dark brown         | Light green, seasonal green to straw/yellow, grey/green |            |
| <b>Texture</b> | Fine to medium                    | Fine to medium  |            |



## IV. CONTRAST RATING (KOP 13)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

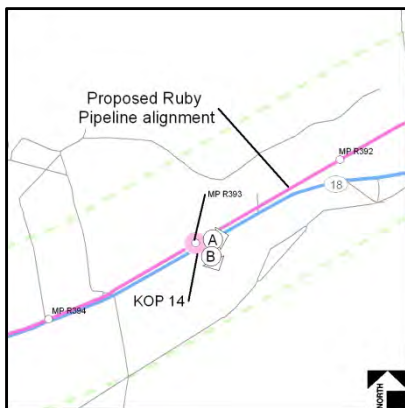
Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Elko District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment  
**Key Observation Point:** 14 **VRM:** Class 3  
 Owyhee Bluffs  
**Location:** Township 38N Range 45E Section 18



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody         | Vegetation                     | Structures |
|----------------|------------------------|--------------------------------|------------|
| <b>Form</b>    | Flat with steep buttes | Low, regular                   |            |
| <b>Line</b>    | Horizontal             | Horizontal, indistinct         |            |
| <b>Color</b>   | Brown to dark brown    | Seasonal green to straw/yellow |            |
| <b>Texture</b> | Fine to medium         | Fine                           |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody            | Vegetation  | Structures |
|----------------|---------------------------|---|------------|
| <b>Form</b>    | Flat with steep buttes    | Low, irregular  |            |
| <b>Line</b>    | Horizontal                | Horizontal, distinct                                    |            |
| <b>Color</b>   | Light brown to dark brown | Light green, seasonal green to straw/yellow, grey/green |            |
| <b>Texture</b> | Fine to medium            | Fine  |            |



## IV. CONTRAST RATING (KOP 14)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                          |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Winnemucca District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Diane Simpson-Colebank, Pat Higgins, Craig Johnson

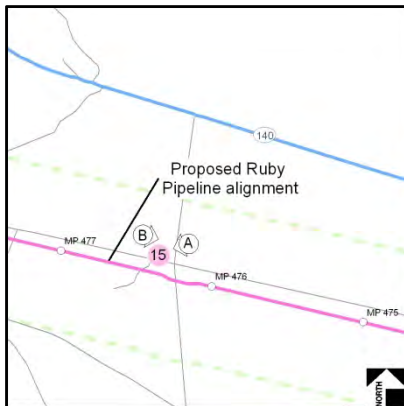
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 15 **VRM:** Class 4

Desert Valley Compressor Station

**Location:** Township 41N Range 33E Section 9



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody   | Vegetation             | Structures                        |
|----------------|------------------|------------------------|-----------------------------------|
| <b>Form</b>    | Flat             | Low, regular           | Flat roads, vertical power poles  |
| <b>Line</b>    | Horizontal       | Horizontal, indistinct | Linear road, vertical power poles |
| <b>Color</b>   | Light grey / tan | Grey / green           | Grey, brown                       |
| <b>Texture</b> | Fine             | Fine                   | Fine                              |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody   | Vegetation              | Structures   |
|----------------|------------------|-------------------------|--|
| <b>Form</b>    | Flat             | Low, irregular          | Flat roads, vertical power poles, geometric                      |
| <b>Line</b>    | Horizontal       | Horizontal, distinct    | Linear road, vertical power poles, horizontal with high vertical |
| <b>Color</b>   | Light grey / tan | Light green, grey/green | Grey, brown, neutral browns                                      |
| <b>Texture</b> | Fine             | Fine                    | Fine to medium   |



## IV. CONTRAST RATING (KOP 15)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures                          |                                     |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                              | Moderate                            | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                                     |                                     |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

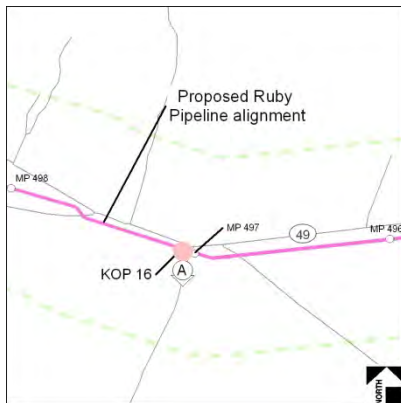
Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



**Date:** October 9, 2009  
**District:** Winnemucca District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment  
**Key Observation Point:** 16 **VRM:** Class 4  
 Blackrock Desert #1 from Leonard Creek Road—adjacent to  
 VRM Class 1  
**Location:** Township 42N Range 30E Section 33



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody | Vegetation             | Structures |
|----------------|----------------|------------------------|------------|
| <b>Form</b>    | Flat terrain   | Simple, regular        |            |
| <b>Line</b>    | Horizontal     | Horizontal, indistinct |            |
| <b>Color</b>   | Gray/tan       | Gray/green             |            |
| <b>Texture</b> | Fine           | Fine                   |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody | Vegetation              | Structures |
|----------------|----------------|-------------------------|------------|
| <b>Form</b>    | Flat terrain   | Simple, irregular       |            |
| <b>Line</b>    | Horizontal     | Horizontal, distinct    |            |
| <b>Color</b>   | Gray/tan       | Light green, gray/green |            |
| <b>Texture</b> | Fine           | Fine                    |            |



## IV. CONTRAST RATING (KOP 16)

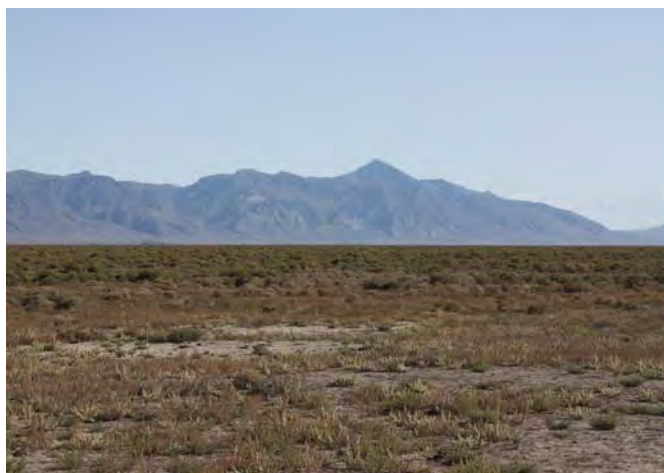
|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                          |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

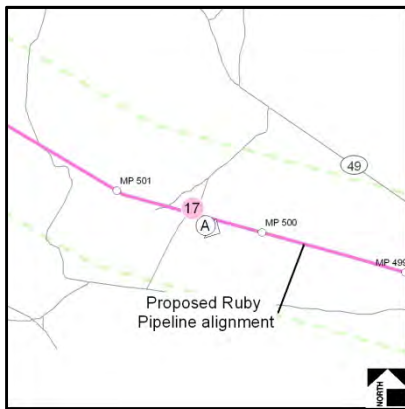
Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Winnemucca District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment  
**Key Observation Point:** 17 **VRM:** Class 4  
 Black Rock Desert #2 from Leonard Creek Road—adjacent to  
 VRM Class 1  
**Location:** Township 41N Range 29E Section 7



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|         | Land/Waterbody | Vegetation             | Structures |
|---------|----------------|------------------------|------------|
| Form    | Flat terrain   | Simple, regular        |            |
| Line    | Horizontal     | Horizontal, indistinct |            |
| Color   | Gray/tan       | Gray/green             |            |
| Texture | Fine           | Fine                   |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody | Vegetation              | Structures |
|----------------|----------------|-------------------------|------------|
| <b>Form</b>    | Flat terrain   | Simple, irregular       |            |
| <b>Line</b>    | Horizontal     | Horizontal, distinct    |            |
| <b>Color</b>   | Gray/tan       | Light green, gray/green |            |
| <b>Texture</b> | Fine           | Fine                    |            |



## IV. CONTRAST RATING (KOP 17)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

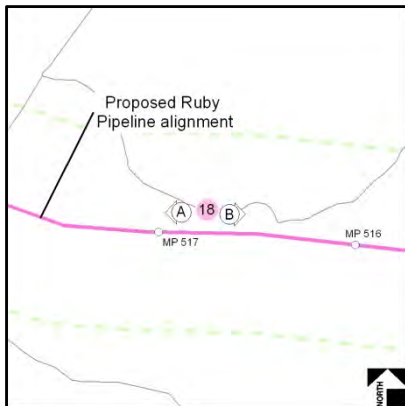
Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Winnemucca District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment  
**Key Observation Point:** 18 **VRM:** Class 2  
 Lahontan Wilderness Study Area  
**Location:** Township 42N Range 26E Section 12



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|         | Land/Waterbody               | Vegetation                     | Structures |
|---------|------------------------------|--------------------------------|------------|
| Form    | Rolling terrain              | Low, regular                   |            |
| Line    | Horizontal to sloped         | Horizontal, indistinct         |            |
| Color   | Dark Tan to dark brown/black | Seasonal green to straw/yellow |            |
| Texture | Fine to medium               | Fine                           |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody               | Vegetation                                  | Structures |
|----------------|------------------------------|---|------------|
| <b>Form</b>    | Rolling terrain              | Low, irregular                              |            |
| <b>Line</b>    | Horizontal to sloped         | Horizontal, distinct                        |            |
| <b>Color</b>   | Dark tan to dark brown/black | Seasonal green to straw/yellow, light green |            |
| <b>Texture</b> | Fine to medium               | Fine  |            |



## IV. CONTRAST RATING (KOP 18)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☐ Yes ☒ No

Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



**Date:** October 9, 2009  
**District:** Northern California District  
**Resource Area:** Surprise  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

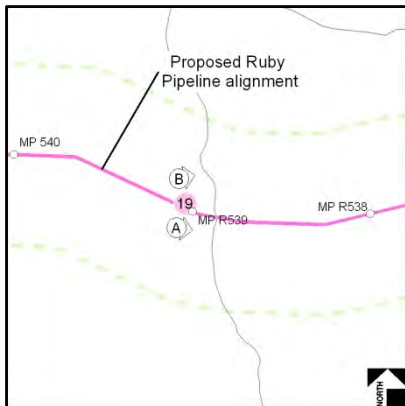
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 19 **VRM:** Class 2

Badger Mountain

**Location:** Township 42N Range 23E Section 10



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|         | Land/Waterbody                    | Vegetation                                 | Structures |
|---------|-----------------------------------|--|------------|
| Form    | Rolling with irregular rock forms | Low, regular, stippled                     |            |
| Line    | Horizontal, irregular, broken     | Indistinct                                 |            |
| Color   | Tan to dark brown                 | Gray/green, seasonal green to straw/yellow |            |
| Texture | Medium to coarse                  | Fine to medium                             |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody                    | Vegetation  | Structures |
|----------------|-----------------------------------|---|------------|
| <b>Form</b>    | Rolling with irregular rock forms | Low, irregular, stippled                                |            |
| <b>Line</b>    | Horizontal, irregular, broken     | Distinct  |            |
| <b>Color</b>   | Light tan to dark brown           | Gray/green, seasonal green to straw/yellow, light green |            |
| <b>Texture</b> | Medium to coarse                  | Fine to medium  |            |



## IV. CONTRAST RATING (KOP 19)

|                | Land/Waterbody           |                                     |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☐ Yes ☒ No

Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



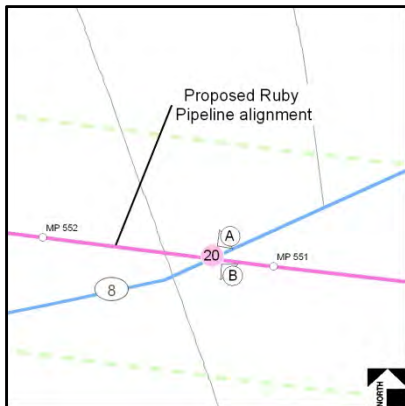
**Date:** October 9, 2009  
**District:** Northern California District  
**Resource Area:** Surprise  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 20 **VRM:** Class 2  
 Massacre

**Location:** Township 42N Range 21E Section 3



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody             | Vegetation             | Structures |
|----------------|----------------------------|------------------------|------------|
| <b>Form</b>    | Flat terrain               | Low, regular           |            |
| <b>Line</b>    | Horizontal                 | Horizontal, indistinct |            |
| <b>Color</b>   | Light to medium gray/brown | Gray to slightly green |            |
| <b>Texture</b> | Fine                       | Medium to fine         |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody             | Vegetation           | Structures |
|----------------|----------------------------|----------------------|------------|
| <b>Form</b>    | Flat terrain               | Low, irregular       |            |
| <b>Line</b>    | Horizontal                 | Horizontal, distinct |            |
| <b>Color</b>   | Light to medium gray/brown | Gray to green        |            |
| <b>Texture</b> | Fine                       | Medium to fine       |            |



## IV. CONTRAST RATING (KOP 20)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☐ Yes ☒ No

Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



**Date:** October 9, 2009  
**District:** Northern California District  
**Resource Area:** Surprise  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

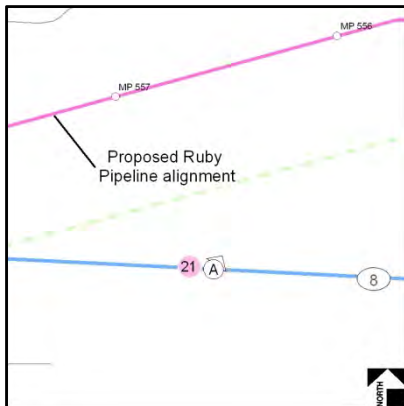
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 21 **VRM:** Class 2

Painted Point from Roadway 8, outside foreground

**Location:** Township 42N Range 20E Section 10



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody                     | Vegetation             | Structures |
|----------------|------------------------------------|------------------------|------------|
| <b>Form</b>    | Flat with isolated, distinct butte | Low, regular           |            |
| <b>Line</b>    | Horizontal to angular/vertical     | Horizontal, indistinct |            |
| <b>Color</b>   | Light gray to tan, reddish-orange  | Gray to slightly green |            |
| <b>Texture</b> | Fine to coarse, striated           | Fine to patchy         |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody                     | Vegetation             | Structures |
|----------------|------------------------------------|------------------------|------------|
| <b>Form</b>    | Flat with isolated, distinct butte | Low, regular           |            |
| <b>Line</b>    | Horizontal to angular/vertical     | Horizontal, indistinct |            |
| <b>Color</b>   | Light gray to tan, reddish-orange  | Gray to slightly green |            |
| <b>Texture</b> | Fine to coarse, striated           | Fine to patchy         |            |



## IV. CONTRAST RATING (KOP 21)

|                | Land/Waterbody           |                          |                          |                                     | Vegetation               |                          |                          |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                     | None                                | Strong                   | Moderate                 | Weak                     | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                          |                                     |                          |                          |                          |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Although changes within VRM Class II do not generally meet visual resource objectives, the alignment would not be visible from this location.

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Lakeview District  
**Resource Area:** Klamath Falls Resource Area  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

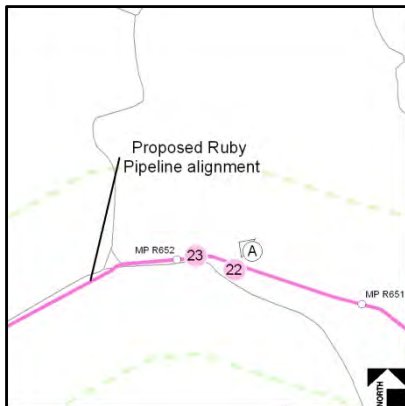
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 22 **VRM:** Class 3

Rock Creek Campground

**Location:** Township 41S Range 15E Section 17



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody       | Vegetation                      | Structures |
|----------------|----------------------|---------------------------------|------------|
| <b>Form</b>    | Flat to rolling      | Complex, vertical to horizontal |            |
| <b>Line</b>    | Horizontal           | Indistinct                      |            |
| <b>Color</b>   | Orange to dark brown | Seasonal green to straw/yellow  |            |
| <b>Texture</b> | Fine                 | Fine to coarse                  |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody       | Vegetation                                  | Structures |
|----------------|----------------------|---|------------|
| <b>Form</b>    | Flat to rolling      | Complex, vertical to horizontal             |            |
| <b>Line</b>    | Horizontal           | Distinct                                    |            |
| <b>Color</b>   | Orange to dark brown | Seasonal green to straw/yellow, light green |            |
| <b>Texture</b> | Fine                 | Fine to coarse                              |            |



## IV. CONTRAST RATING (KOP 22)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



**Date:** October 9, 2009  
**District:** Lakeview District  
**Resource Area:** Klamath Falls Resource Area  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

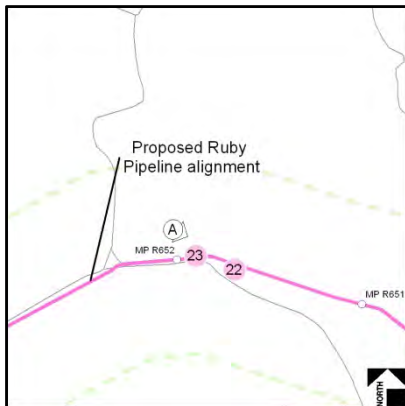
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 23 **VRM:** Class 3

Wash near Rock Creek Campground

**Location:** Township 41S Range 15E Section 17



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody       | Vegetation               | Structures         |
|----------------|----------------------|--------------------------|--------------------|
| <b>Form</b>    | Flat to rolling      | Complex, regular         | Flat to rolling    |
| <b>Line</b>    | Horizontal           | Indistinct               | Curving, broken    |
| <b>Color</b>   | Orange to dark brown | Seasonal, green to straw | Light to dark grey |
| <b>Texture</b> | Fine to medium       | Fine to coarse           | Fine               |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody       | Vegetation               | Structures         |
|----------------|----------------------|--------------------------|--------------------|
| <b>Form</b>    | Flat to rolling      | Complex, irregular       | Flat to rolling    |
| <b>Line</b>    | Horizontal           | Distinct                 | Curving, broken    |
| <b>Color</b>   | Orange to dark brown | Seasonal, green to straw | Light to dark grey |
| <b>Texture</b> | Fine to medium       | Fine to coarse           | Fine               |



## IV. CONTRAST RATING (KOP 23)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Lakeview District  
**Resource Area:** Klamath Falls Resource Area  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

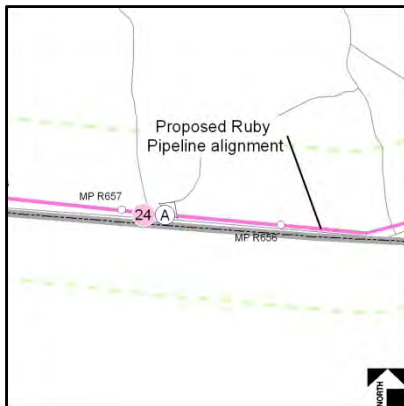
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Proposed Alignment

**Key Observation Point:** 24 **VRM:** Class 3

Historic Corral

**Location:** Township 41S Range 14.5E Section 22



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody                 | Vegetation                      | Structures                 |
|----------------|--------------------------------|---------------------------------|----------------------------|
| <b>Form</b>    | Flat with small angular slopes | Horizontal                      | Geometric                  |
| <b>Line</b>    | Horizontal                     | Irregular, Indistinct           | Horizontal, short vertical |
| <b>Color</b>   | Light tan to grey              | Seasonal, green to straw        | Dark brown to grey         |
| <b>Texture</b> | Fine                           | Fine to medium, slightly patchy | Fine                       |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody                 | Vegetation                      | Structures                 |
|----------------|--------------------------------|---------------------------------|----------------------------|
| <b>Form</b>    | Flat with small angular slopes | Horizontal                      | Geometric                  |
| <b>Line</b>    | Horizontal                     | Irregular, slightly distinct    | Horizontal, short vertical |
| <b>Color</b>   | Light tan to grey              | Seasonal, green to straw        | Dark brown to grey         |
| <b>Texture</b> | Fine                           | Fine to medium, slightly patchy | Fine                       |



## IV. CONTRAST RATING (KOP 24)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                          |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No

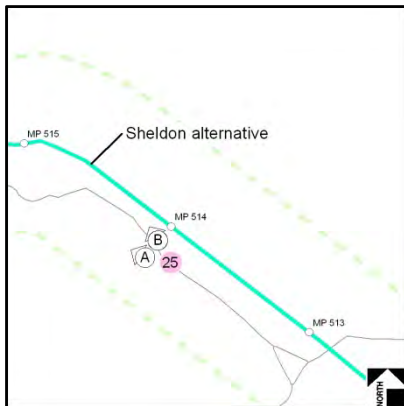
Character of existing visual setting of corral would not be affected.



**Date:** October 9, 2009  
**District:** Winnemucca District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Sheldon Alternative  
**Key Observation Point:** 25 **VRM:** Class 2  
 Emigrant Pass  
**Location:** Township 46N Range 30E Section 18



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody                   | Vegetation                    | Structures |
|----------------|----------------------------------|-------------------------------|------------|
| <b>Form</b>    | Gentle rolling to slightly steep | Low, horizontal               |            |
| <b>Line</b>    | Horizontal to rounded            | Horizontal to indistinct      |            |
| <b>Color</b>   | Light tan to light grey          | Seasonal, green to grey/green |            |
| <b>Texture</b> | Fine, slightly patchy            | Fine to patchy                |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody                   | Vegetation                          | Structures |
|----------------|----------------------------------|-------------------------------------|------------|
| <b>Form</b>    | Gentle rolling to slightly steep | Low, horizontal                     |            |
| <b>Line</b>    | Horizontal to rounded            | Distinct, vertical to angular       |            |
| <b>Color</b>   | Light tan to light grey          | Seasonal, light green to grey/green |            |
| <b>Texture</b> | Fine, slightly patchy            | Fine to patchy                      |            |



## IV. CONTRAST RATING (KOP 25)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☐ Yes ☒ No

Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



**Date:** October 9, 2009  
**District:** Lakeview District  
**Resource Area:** Lakeview Resource Area  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

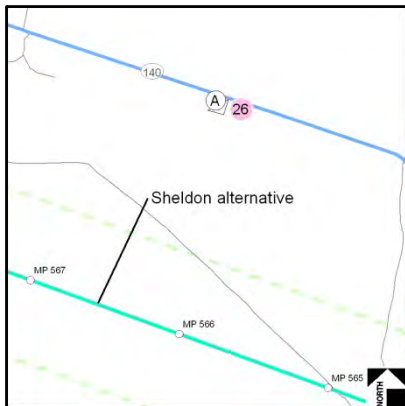
## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Sheldon Alternative

**Key Observation Point:** 26 **VRM:** Class 4

Dougherty Slide

**Location:** Township 40S Range 27E Section 35



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody          | Vegetation                    | Structures  |
|----------------|-------------------------|-------------------------------|-------------|
| <b>Form</b>    | Rounded, vertical       | Low, simple                   | Flat        |
| <b>Line</b>    | Angular to horizontal   | Horizontal, indistinct        | Angled line |
| <b>Color</b>   | Light tan to dark brown | Seasonal, green to grey/green | Grey        |
| <b>Texture</b> | Medium to coarse        | Fine                          | Fine        |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody          | Vegetation                                 | Structures  |
|----------------|-------------------------|--|-------------|
| <b>Form</b>    | Rounded, vertical       | Low, simple                                | Flat        |
| <b>Line</b>    | Angular to horizontal   | Distinct                                   | Angled line |
| <b>Color</b>   | Light tan to dark brown | Seasonal, green to grey/green, light green | Grey        |
| <b>Texture</b> | Medium to coarse        | Fine                                       | Fine        |



## IV. CONTRAST RATING (KOP 26)

|                | Land/Waterbody           |                                     |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Lakeview District  
**Resource Area:** Lakeview Resource Area  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline— Sheldon Alternative

**Key Observation Point:** 27 **VRM:** Class 3

Coleman Rim - East

**Location:** Township 40S Range 23E Section 12



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody            | Vegetation              | Structures |
|----------------|---------------------------|-------------------------|------------|
| <b>Form</b>    | Rolling, vertical         | Low, indistinct         |            |
| <b>Line</b>    | Angular to horizontal     | Indistinct, horizontal  |            |
| <b>Color</b>   | Light brown to dark brown | Grey/green, light green |            |
| <b>Texture</b> | Medium to coarse          | Fine                    |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody            | Vegetation              | Structures |
|----------------|---------------------------|-------------------------|------------|
| <b>Form</b>    | Rolling, vertical         | Low, somewhat distinct  |            |
| <b>Line</b>    | Angular to horizontal     | Distinct, horizontal    |            |
| <b>Color</b>   | Light brown to dark brown | Grey/green, light green |            |
| <b>Texture</b> | Medium to coarse          | Fine                    |            |



## IV. CONTRAST RATING (KOP 27)

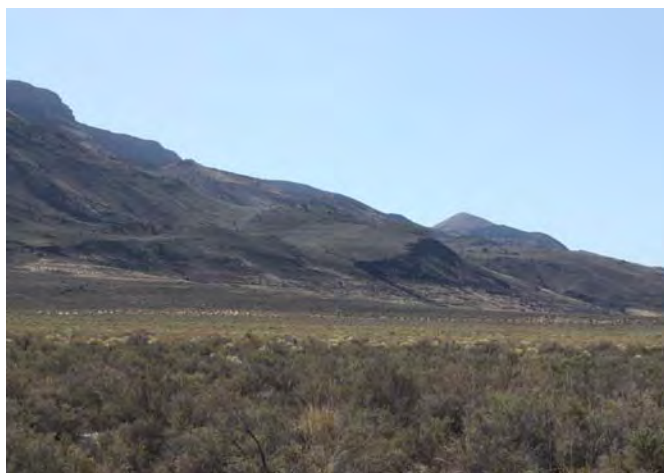
|                | Land/Waterbody           |                                     |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Lakeview District  
**Resource Area:** Lakeview Resource Area  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline— Sheldon Alternative

**Key Observation Point:** 28 **VRM:** Class 3

Coleman Rim - West

**Location:** Township 40S Range 25E Section 33



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody                | Vegetation                          | Structures                      |
|----------------|-------------------------------|-------------------------------------|---------------------------------|
| <b>Form</b>    | Rolling, vertical             | Low, indistinct                     | Linear to curving               |
| <b>Line</b>    | Horizontal to angular/rounded | Indistinct, horizontal              | Straight to curving, converging |
| <b>Color</b>   | Tan to dark brown             | Seasonal, grey/green to light green | Dark grey to brown              |
| <b>Texture</b> | Fine to course                | Fine to medium                      | Fine                            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody                | Vegetation                          | Structures                      |
|----------------|-------------------------------|-------------------------------------|---------------------------------|
| <b>Form</b>    | Rolling, vertical             | Low, distinct                       | Linear to curving               |
| <b>Line</b>    | Horizontal to angular/rounded | Distinct, horizontal to angular     | Straight to curving, converging |
| <b>Color</b>   | Tan to dark brown             | Seasonal, grey/green to light green | Dark grey to brown              |
| <b>Texture</b> | Fine to course                | Fine to medium                      | Fine                            |



## IV. CONTRAST RATING (KOP 28)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                                     |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                                |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



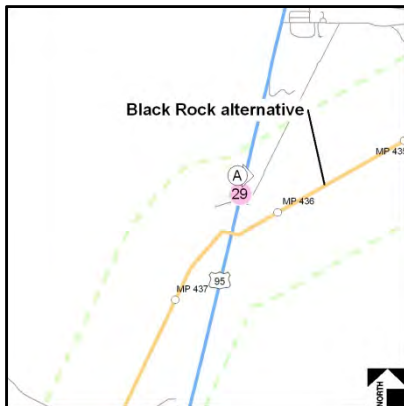
**Date:** October 9, 2009  
**District:** Winnemucca District  
**Resource Area:** 1T  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline—Black Rock Alternative

**Key Observation Point:** 29 **VRM:** Class 2  
 Spoon Mountain

**Location:** Township 37N Range 38E Section 32



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody                             | Vegetation               | Structures |
|----------------|--|--------------------------|------------|
| <b>Form</b>    | Flat to rolling, isolated buttes and mesas | Low, regular             |            |
| <b>Line</b>    | Horizontal to angular                      | Horizontal, indistinct   |            |
| <b>Color</b>   | Light tan to dark brown/grey               | Grey/green               |            |
| <b>Texture</b> | Fine to medium                             | Fine to medium, stippled |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody                             | Vegetation               | Structures |
|----------------|--|--------------------------|------------|
| <b>Form</b>    | Flat to rolling, isolated buttes and mesas | Low, irregular           |            |
| <b>Line</b>    | Horizontal to angular                      | Horizontal, distinct     |            |
| <b>Color</b>   | Light tan to dark brown/grey               | Grey/green, light green  |            |
| <b>Texture</b> | Fine to medium                             | Fine to medium, stippled |            |



## IV. CONTRAST RATING (KOP 29)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☐ Yes ☒ No

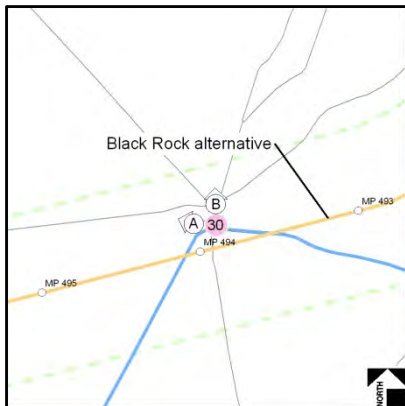
Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



**Date:** October 9, 2009  
**District:** Winnemucca District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline— Black Rock Alternative  
**Key Observation Point:** 30 **VRM:** Class 4  
 Sulfur-Adjacent to VRM Class 1  
**Location:** Township 35N Range 29E Section 28



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody | Vegetation             | Structures                      |
|----------------|----------------|------------------------|---------------------------------|
| <b>Form</b>    | Flat           | Low, regular           | Linear, horizontal and vertical |
| <b>Line</b>    | Horizontal     | Horizontal, indistinct | Straight, converging            |
| <b>Color</b>   | Light tan/grey | Green to straw, red    | Light to dark grey/brown        |
| <b>Texture</b> | Fine           | Fine, patchy           | Fine                            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody | Vegetation                | Structures                      |
|----------------|----------------|---------------------------|---------------------------------|
| <b>Form</b>    | Flat           | Low, irregular            | Linear, horizontal and vertical |
| <b>Line</b>    | Horizontal     | Horizontal, distinct      | Straight, converging            |
| <b>Color</b>   | Light tan/grey | Light green to straw, red | Light to dark grey/brown        |
| <b>Texture</b> | Fine           | Fine, patchy              | Fine                            |



## IV. CONTRAST RATING (KOP 30)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                                     |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                                |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Winnemucca District  
**Resource Area:**  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline— Black Rock Alternative  
**Key Observation Point:** 31 **VRM:** Class 3  
 Trago Hot Springs, near VRM Class 1  
**Location:** Township 33N Range 25E Section 10



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|                | Land/Waterbody        | Vegetation             | Structures           |
|----------------|-----------------------|------------------------|----------------------|
| <b>Form</b>    | Rolling, vertical     | Low, regular           | Linear               |
| <b>Line</b>    | Angular to horizontal | Indistinct, horizontal | Straight, converging |
| <b>Color</b>   | Light to dark brown   | Grey/green             | Light tan/grey       |
| <b>Texture</b> | Fine to medium        | Fine                   | Fine                 |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody                     | Vegetation              | Structures           |
|----------------|------------------------------------|-------------------------|----------------------|
| <b>Form</b>    | Rolling, vertical                  | Low, irregular          | Linear               |
| <b>Line</b>    | Angular to horizontal and vertical | Distinct, horizontal    | Straight, converging |
| <b>Color</b>   | Light to dark brown                | Light green, Grey/green | Light tan/grey       |
| <b>Texture</b> | Fine to medium                     | Fine                    | Fine                 |



## IV. CONTRAST RATING (KOP 31)

|                | Land/Waterbody           |                                     |                                     |                                     | Vegetation               |                                     |                                     |                                     | Structures               |                          |                          |                                     |
|----------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
|                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                            | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                                |
| <b>Form</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Line</b>    |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Color</b>   |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Texture</b> |                          |                                     |                                     |                                     |                          |                                     |                                     |                                     |                          |                          |                          |                                     |
| ST             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☒ Yes ☐ No

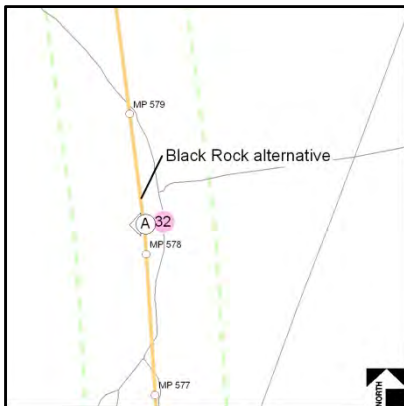
Additional mitigation measures recommended? ☐ Yes ☒ No



**Date:** October 9, 2009  
**District:** Northern California District  
**Resource Area:** Surprise  
**Activity (program):** Oil and Gas  
**Evaluators:** Mark Meyer, Craig Johnson

## I. PROJECT INFORMATION

**Project Name:** Ruby Pipeline— Black Rock Alternative  
**Key Observation Point:** 32 **VRM:** Class 1  
 Boulder Mountain  
**Location:** Township 39N Range 20E Section 11



## II. CHARACTERISTIC LANDSCAPE DESCRIPTION

|         | Land/Waterbody           | Vegetation             | Structures |
|---------|--------------------------|------------------------|------------|
| Form    | Flat to rolling/vertical | Low, regular           |            |
| Line    | Horizontal to angular    | Indistinct, horizontal |            |
| Color   | Light tan dark brown     | Grey/green             |            |
| Texture | Fine to medium           | Fine                   |            |

## III. PROPOSED ACTIVITY DESCRIPTION

|                | Land/Waterbody           | Vegetation              | Structures |
|----------------|--------------------------|-------------------------|------------|
| <b>Form</b>    | Flat to rolling/vertical | Low, irregular          |            |
| <b>Line</b>    | Horizontal to angular    | Distinct, horizontal    |            |
| <b>Color</b>   | Light tan dark brown     | Light green, Grey/green |            |
| <b>Texture</b> | Fine to medium           | Fine                    |            |



## IV. CONTRAST RATING (KOP 32)

|                | Land/Waterbody           |                          |                                     |                                     | Vegetation               |                          |                                     |                                     | Structures               |                          |                          |                          |
|----------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                                | None                                | Strong                   | Moderate                 | Weak                     | None                     |
| <b>Form</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Line</b>    |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Color</b>   |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>Texture</b> |                          |                          |                                     |                                     |                          |                          |                                     |                                     |                          |                          |                          |                          |
| ST             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LT             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note: ST = short term (0–5 years); LT = long term (20-plus years)

## Summary and Recommendations

Does project design meet visual resource objectives? ☐ Yes ☒ No

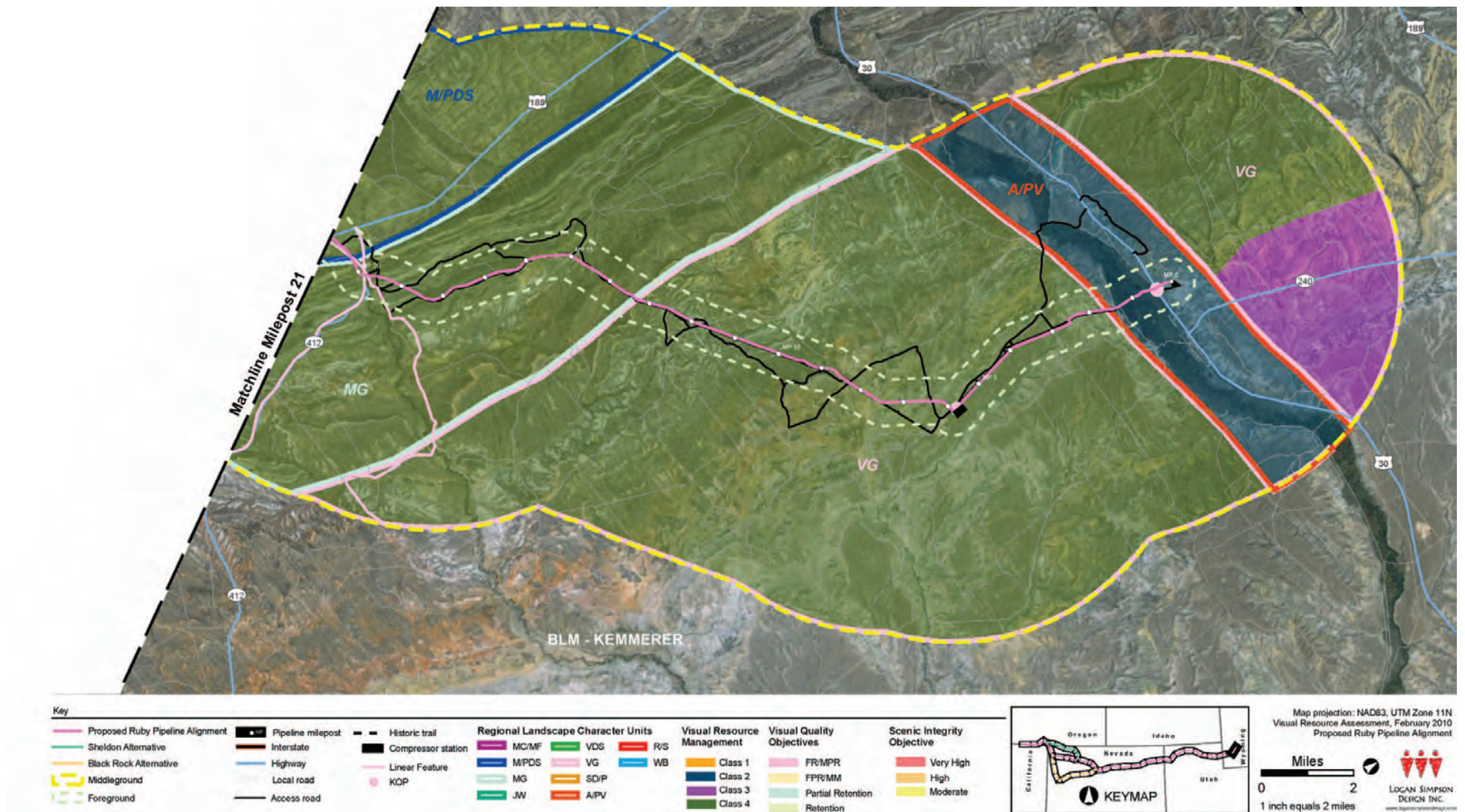
Additional mitigation measures recommended? ☒ Yes ☐ No Site specific mitigation as identified in Appendix G.



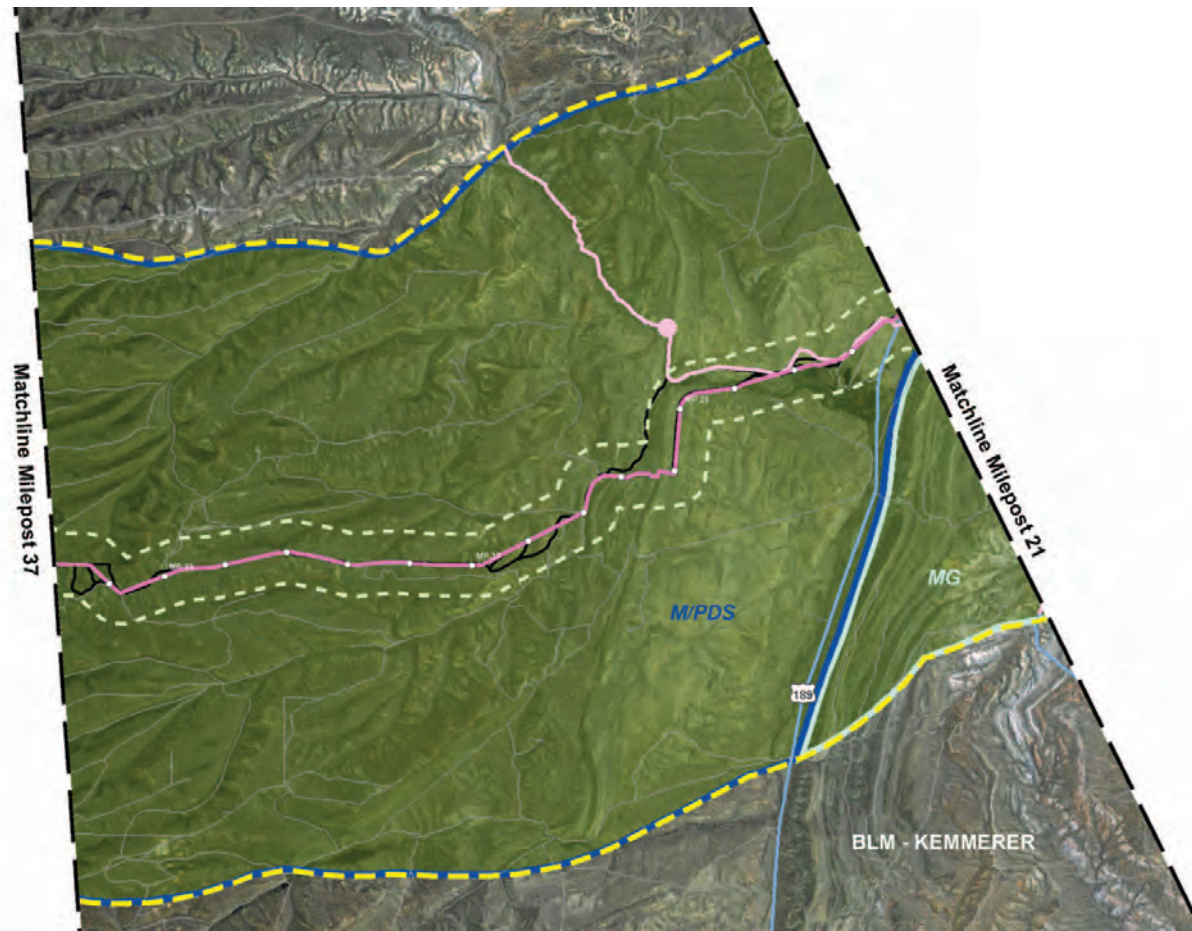





















**Appendix F**  
**BLM and USFS Visual Management Objectives**  
**and Regional Landscape Character Units**

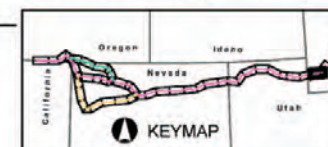






**Key**

|   |                                  |   |                   |   |                    |   |       |   |                                   |   |                                   |   |         |   |                   |   |           |
|---|----------------------------------|---|-------------------|---|--------------------|---|-------|---|-----------------------------------|---|-----------------------------------|---|---------|---|-------------------|---|-----------|
|  | Proposed Ruby Pipeline Alignment |  | Pipeline milepost |  | Historic trail     | <b>Regional Landscape Character Units</b>   |       |   | <b>Visual Resource Management</b> | <b>Visual Quality Objectives</b>  | <b>Scenic Integrity Objective</b> |   |         |   |                   |   |           |
|  | Sheldon Alternative              |  | Interstate        |  | Compressor station |  | MC/MF |  | VDS                               |  | R/S                               |  | Class 1 |  | FR/MPPR           |  | Very High |
|  | Black Rock Alternative           |  | Highway           |  |                    |  | MPDS  |  | VG                                |  | WB                                |  | Class 2 |  | FPR/MM            |  | High      |
|  | Middleground                     |  | Local road        |  | Linear Feature     |  | MG    |  | SD/P                              |   |                                   |  | Class 3 |  | Partial Retention |  | Moderate  |
|  | Foreground                       |  | Access road       |  | KOP                |  | JW    |  | A/PV                              |   |                                   |  | Class 4 |  | Retention         |   |           |



Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment

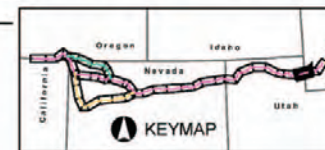
Miles  
 0 2  
 1 inch equals 2 miles

LOGAN SIMPSON  
 DESIGN INC.  
[www.logansimpsondesign.com](http://www.logansimpsondesign.com)





|                                  |                    |   |      |                                   |                                  |                                   |
|----------------------------------|--------------------|---|------|-----------------------------------|----------------------------------|-----------------------------------|
| <b>Key</b>                       |                    | <b>Regional Landscape Character Units</b> |      | <b>Visual Resource Management</b> | <b>Visual Quality Objectives</b> | <b>Scenic Integrity Objective</b> |
| Proposed Ruby Pipeline Alignment | Pipeline milepost  | MC/MF                                     | VDS  | Class 1                           | FR/MFR                           | Very High                         |
| Sheldon Alternative              | Interstate         | MPDS                                      | VG   | Class 2                           | FPR/MM                           | High                              |
| Black Rock Alternative           | Highway            | MG  | SD/P | Class 3                           | Partial Retention                | Moderate                          |
| Middleground                     | Local road         | JW  | A/PV | Class 4                           | Retention                        |                                   |
| Foreground                       | Access road        |   |      |                                   |                                  |                                   |
|                                  | Historic trail     |   |      |                                   |                                  |                                   |
|                                  | Compressor station |   |      |                                   |                                  |                                   |
|                                  | Linear Feature     |   |      |                                   |                                  |                                   |
|                                  | KOP                |   |      |                                   |                                  |                                   |

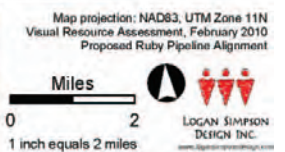
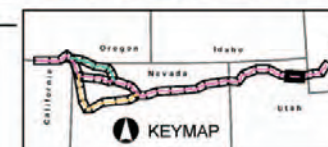
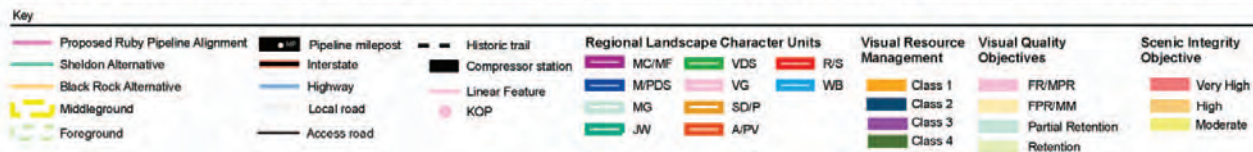
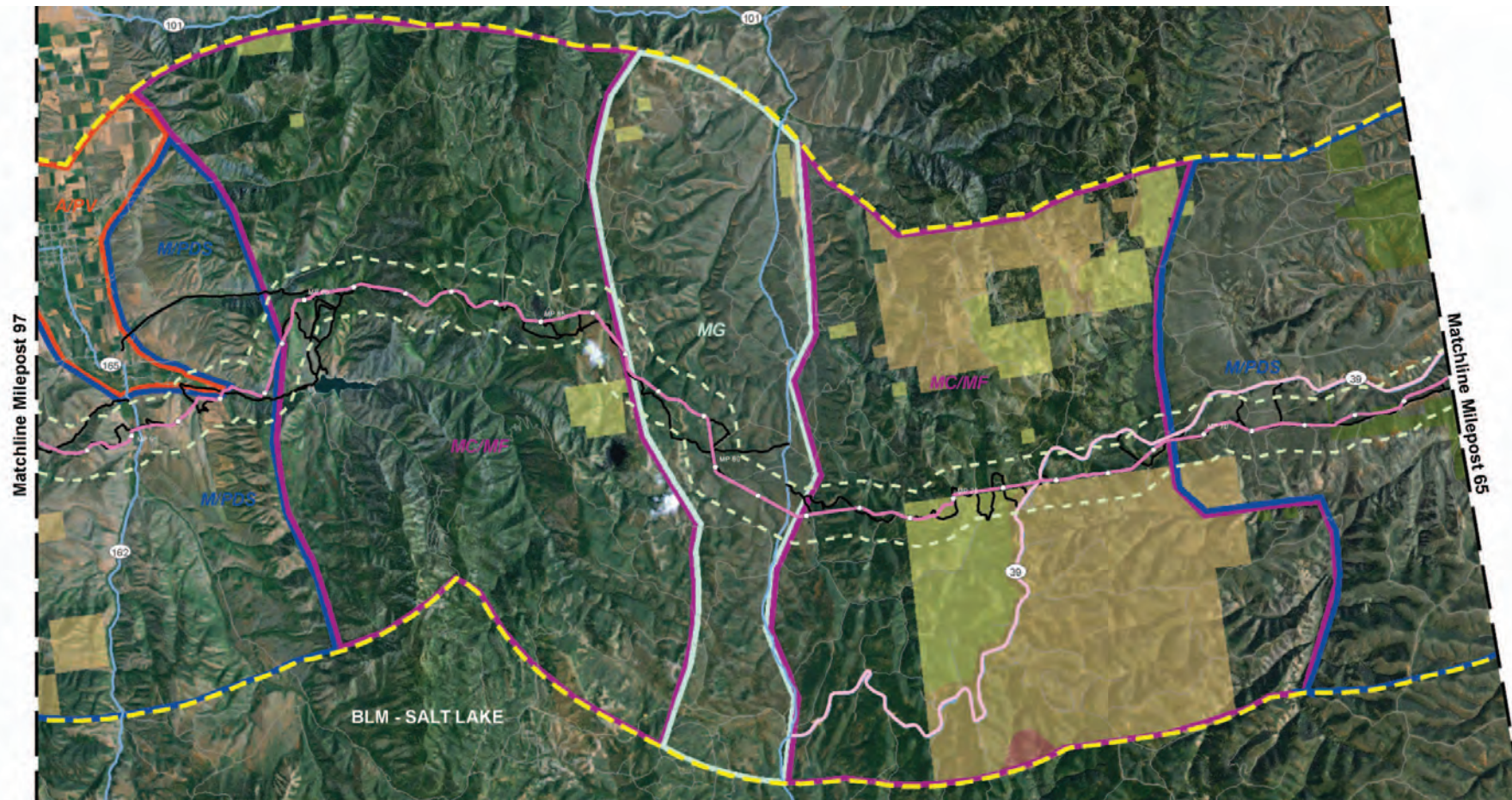


Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment

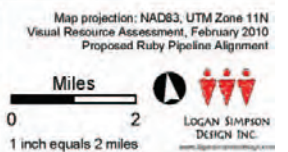
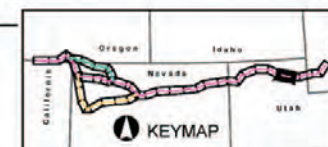
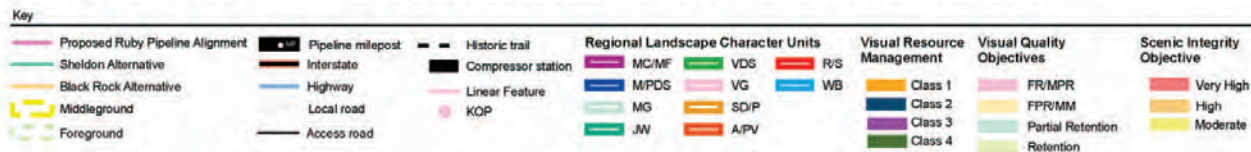
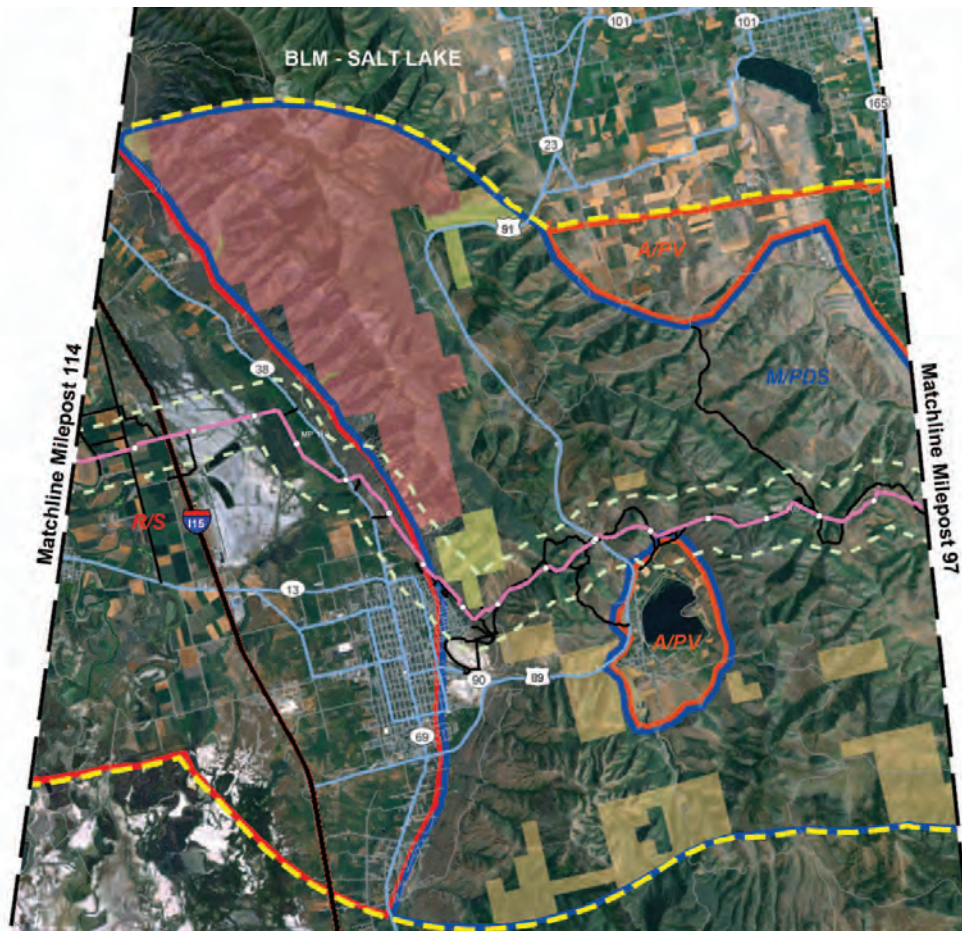
Miles  
 0 2  
 1 inch equals 2 miles

LOGAN SIMPSON  
 DESIGN INC.  
 www.logansimpsondesign.com

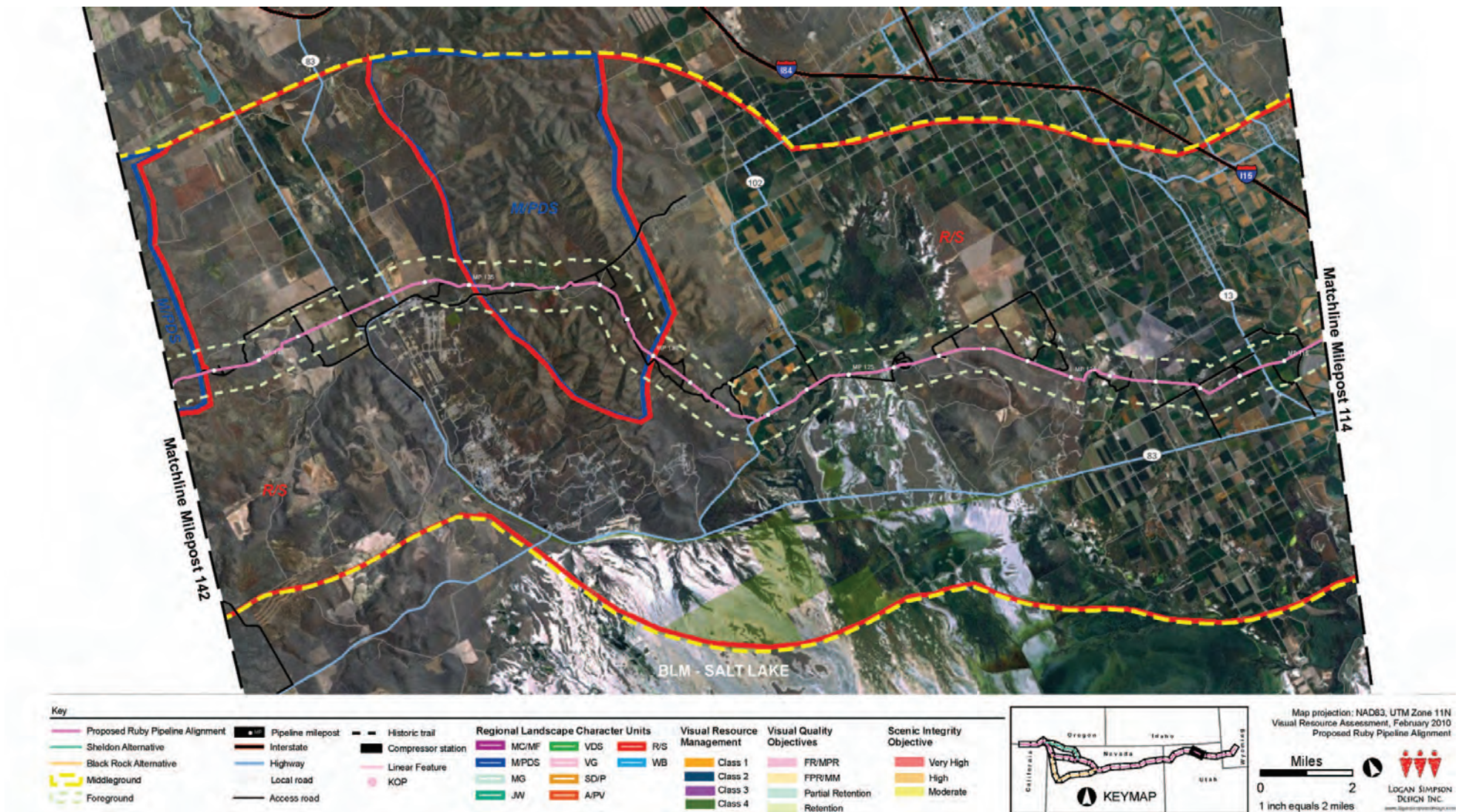




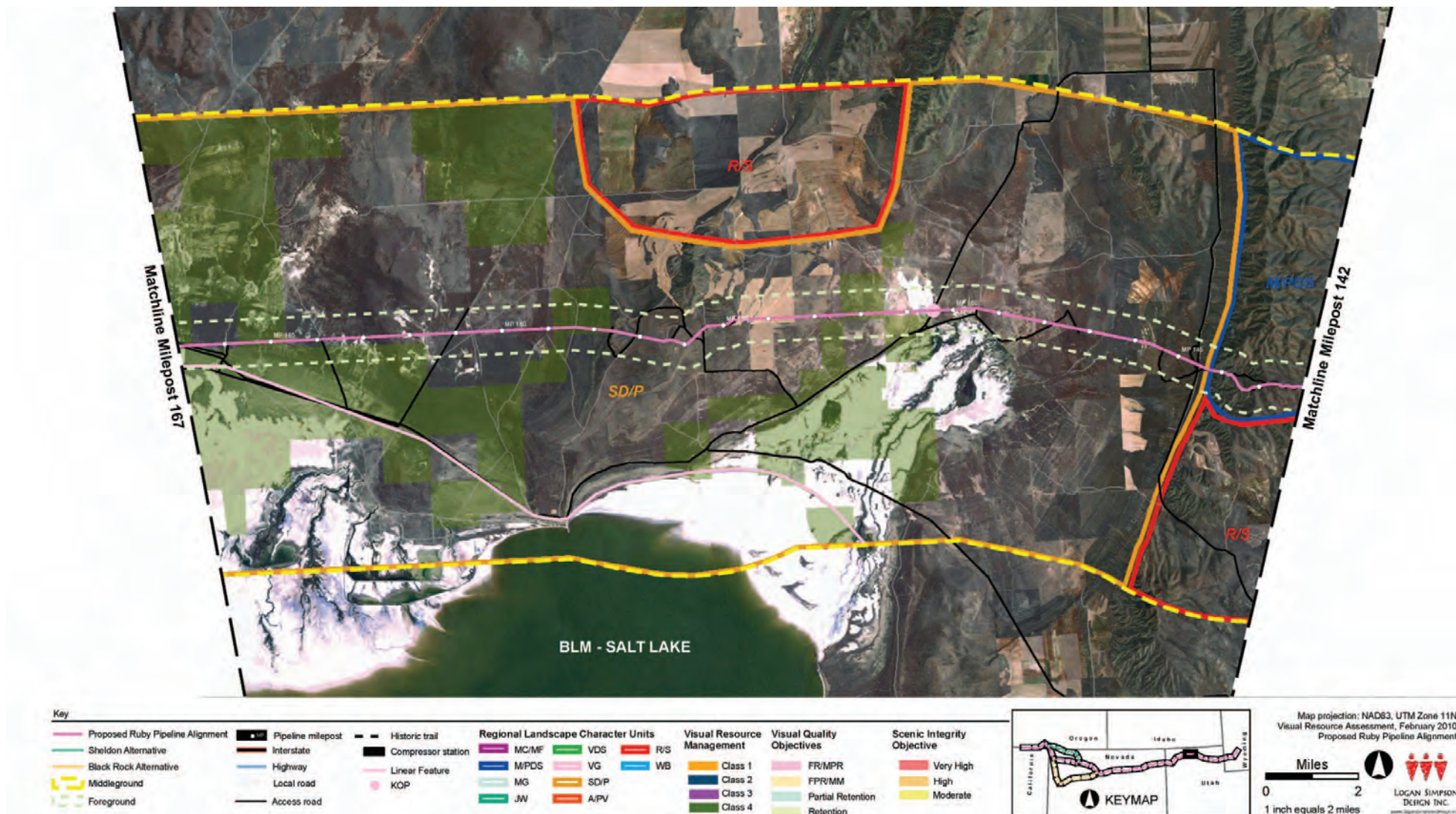




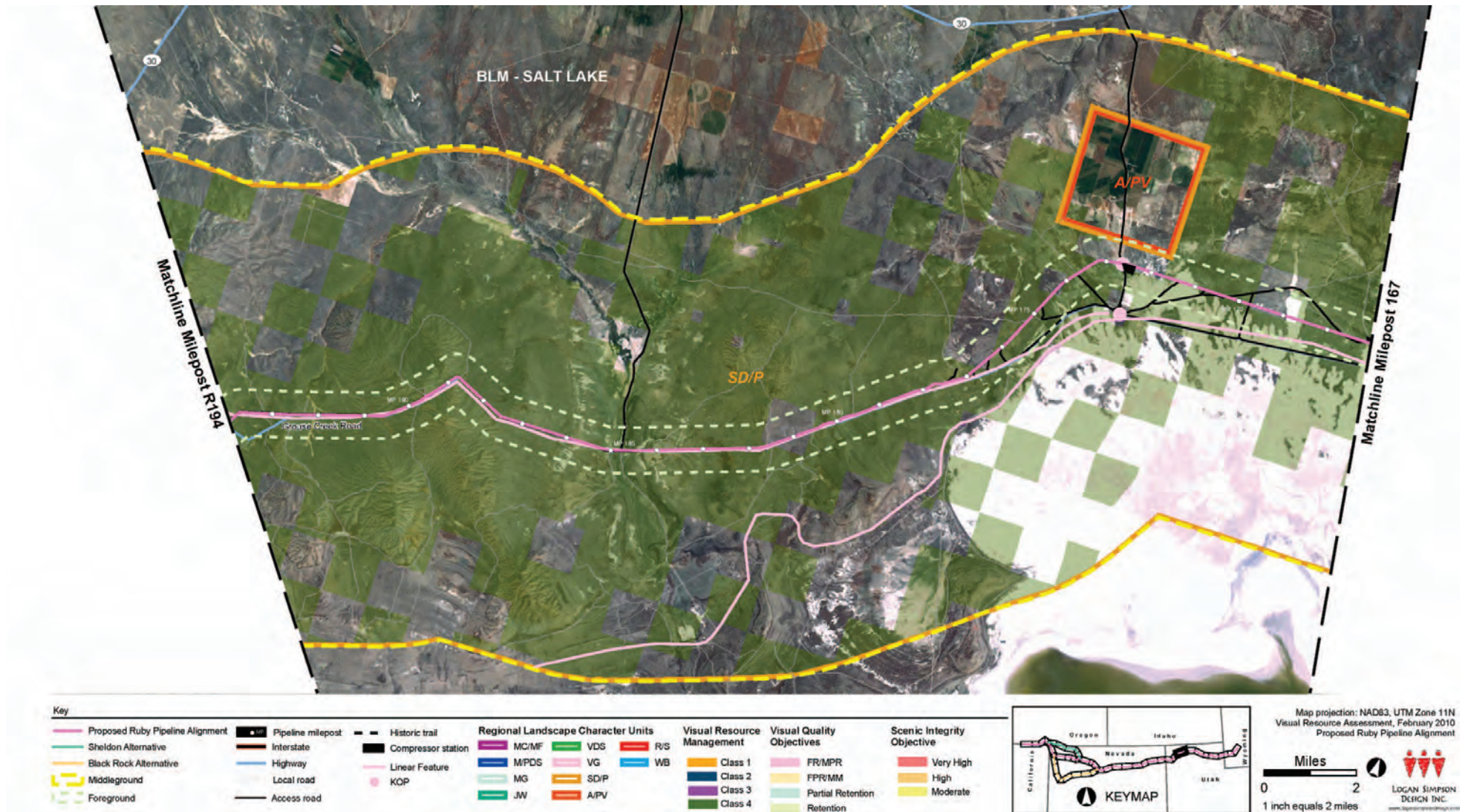




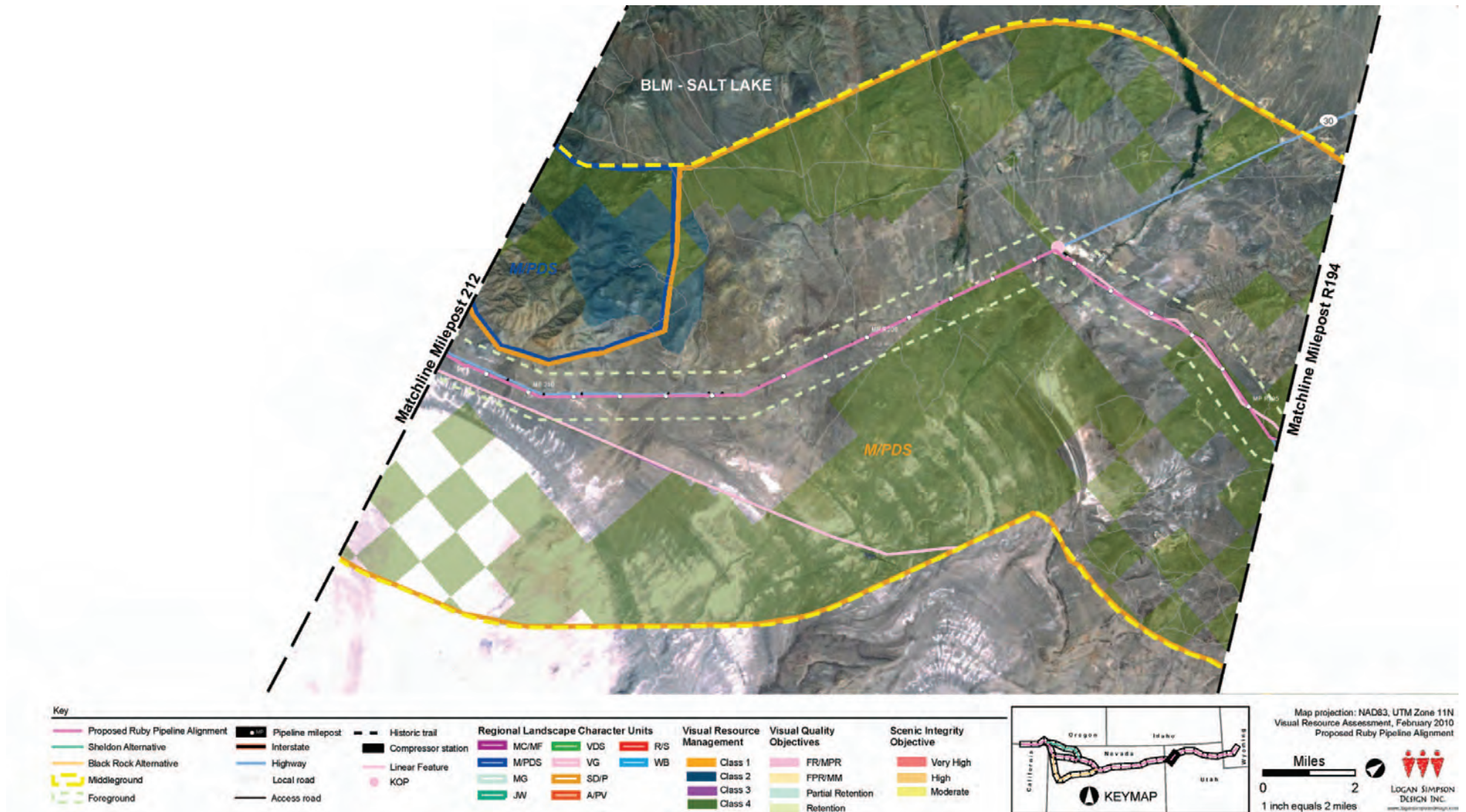




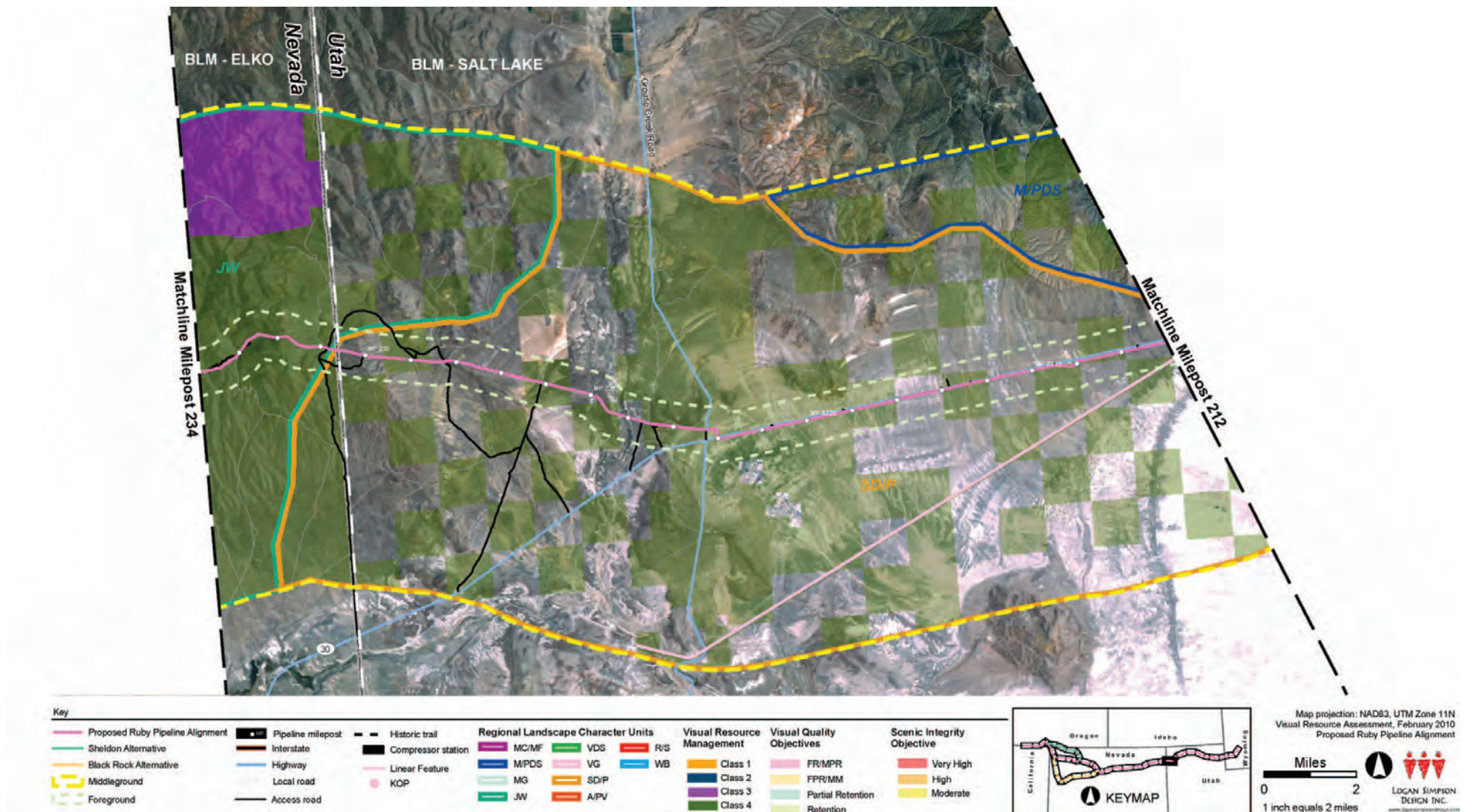


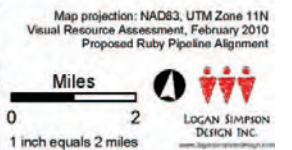
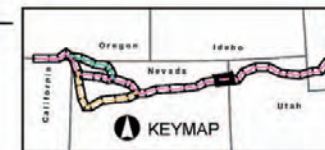
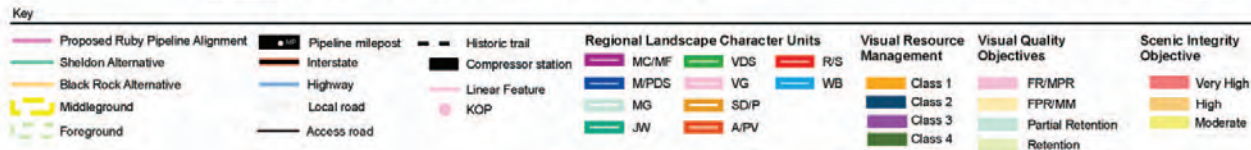
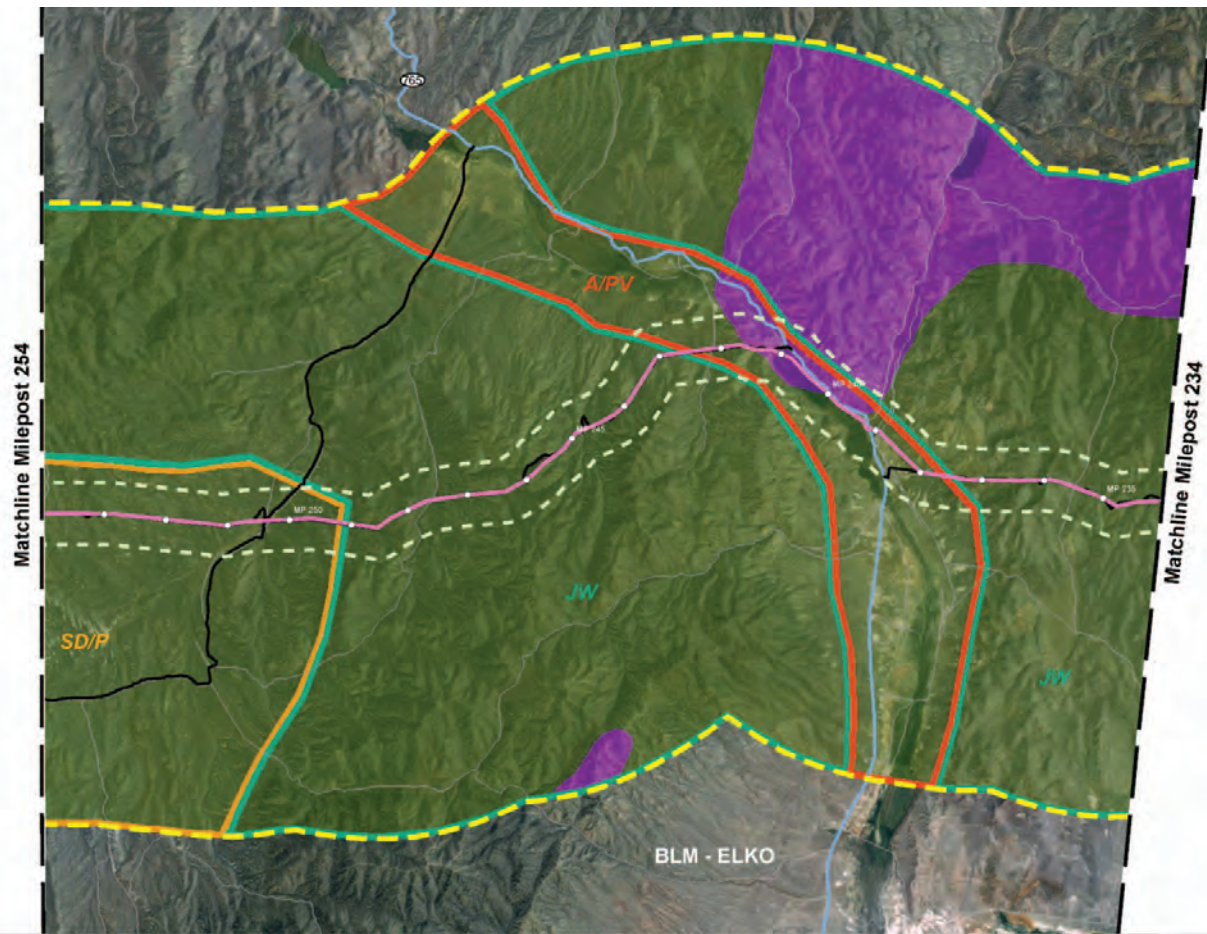




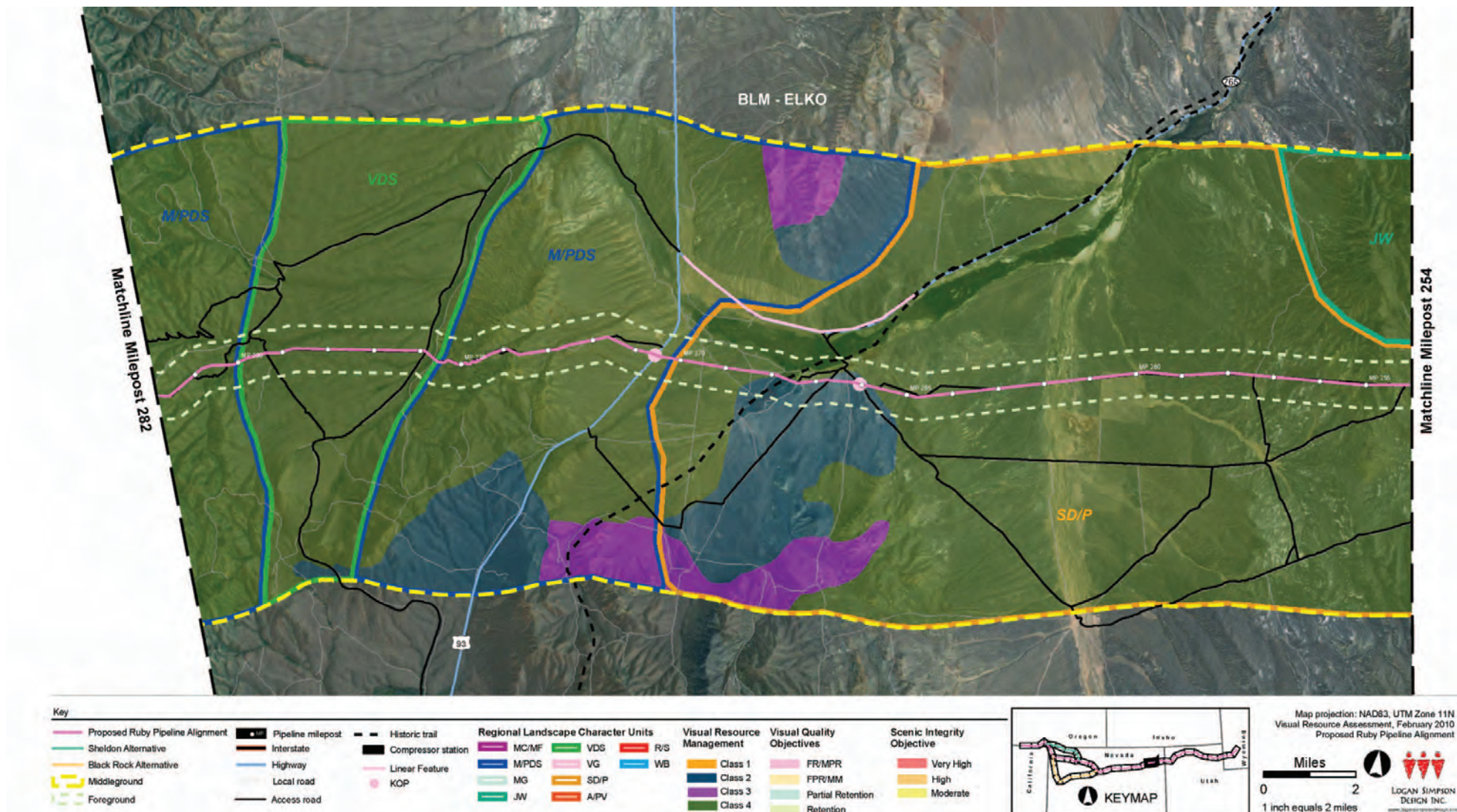


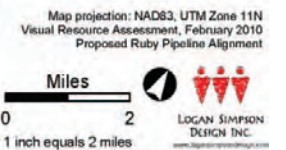
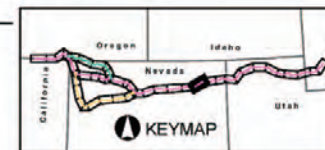
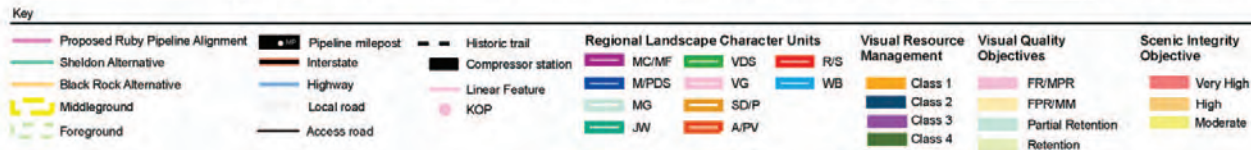
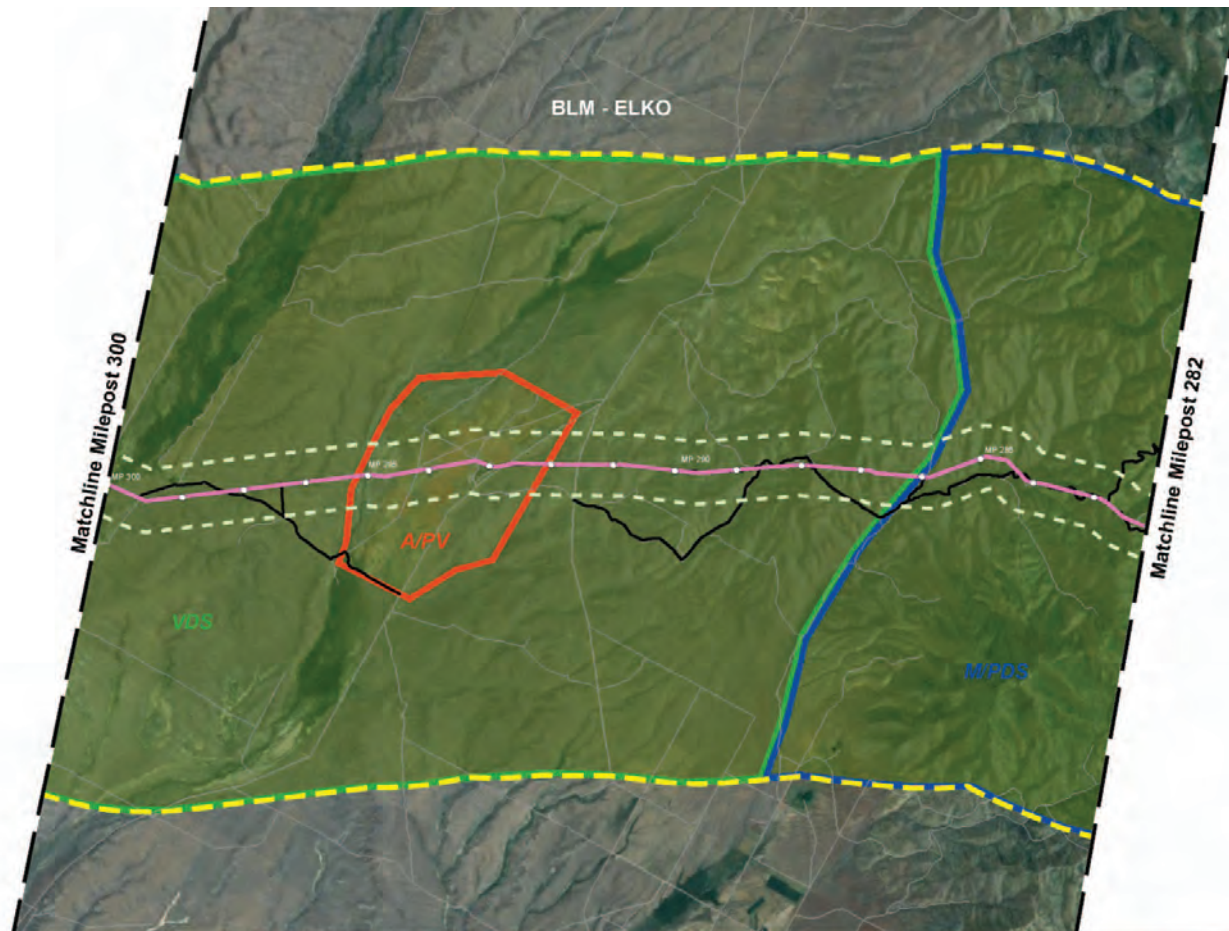




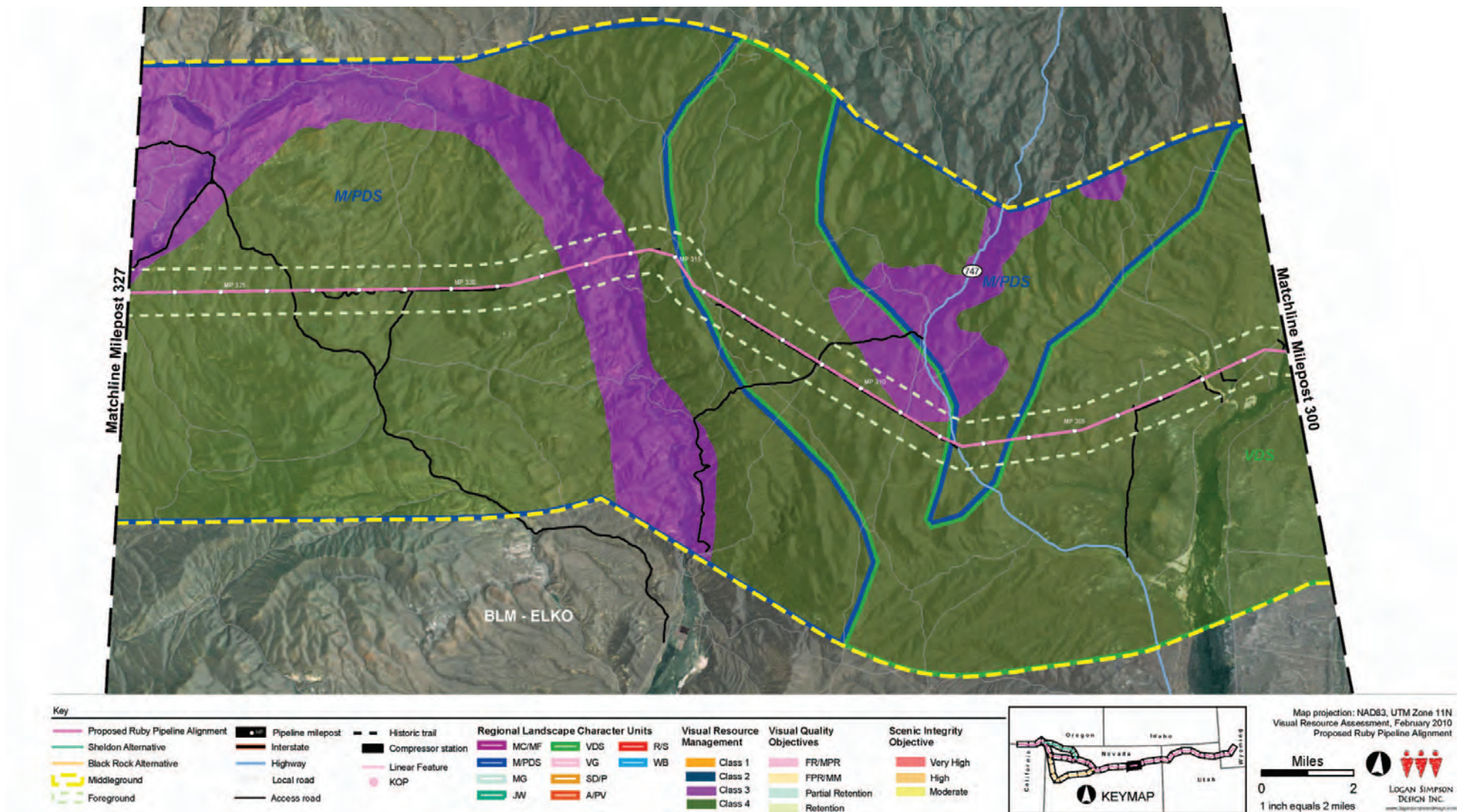




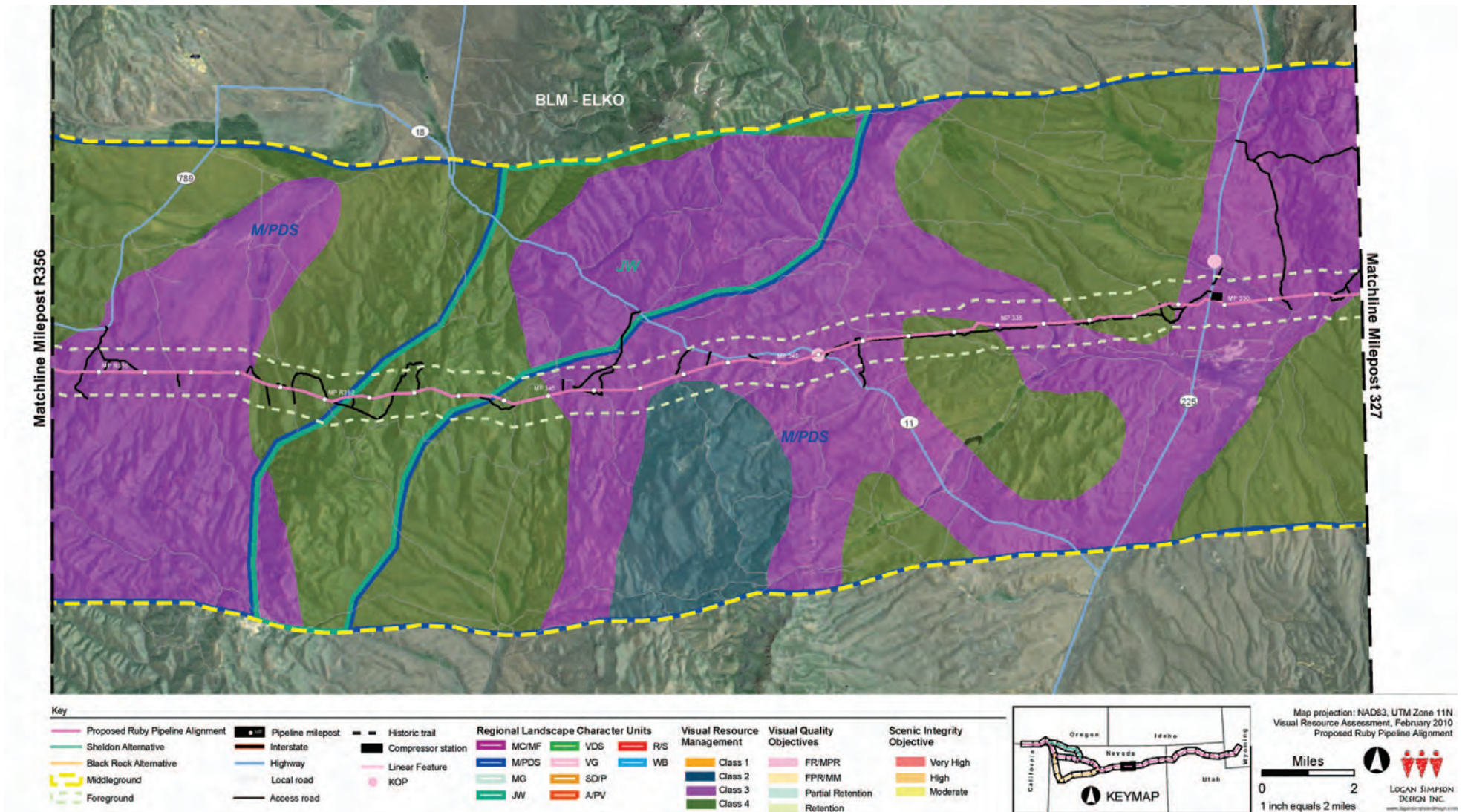




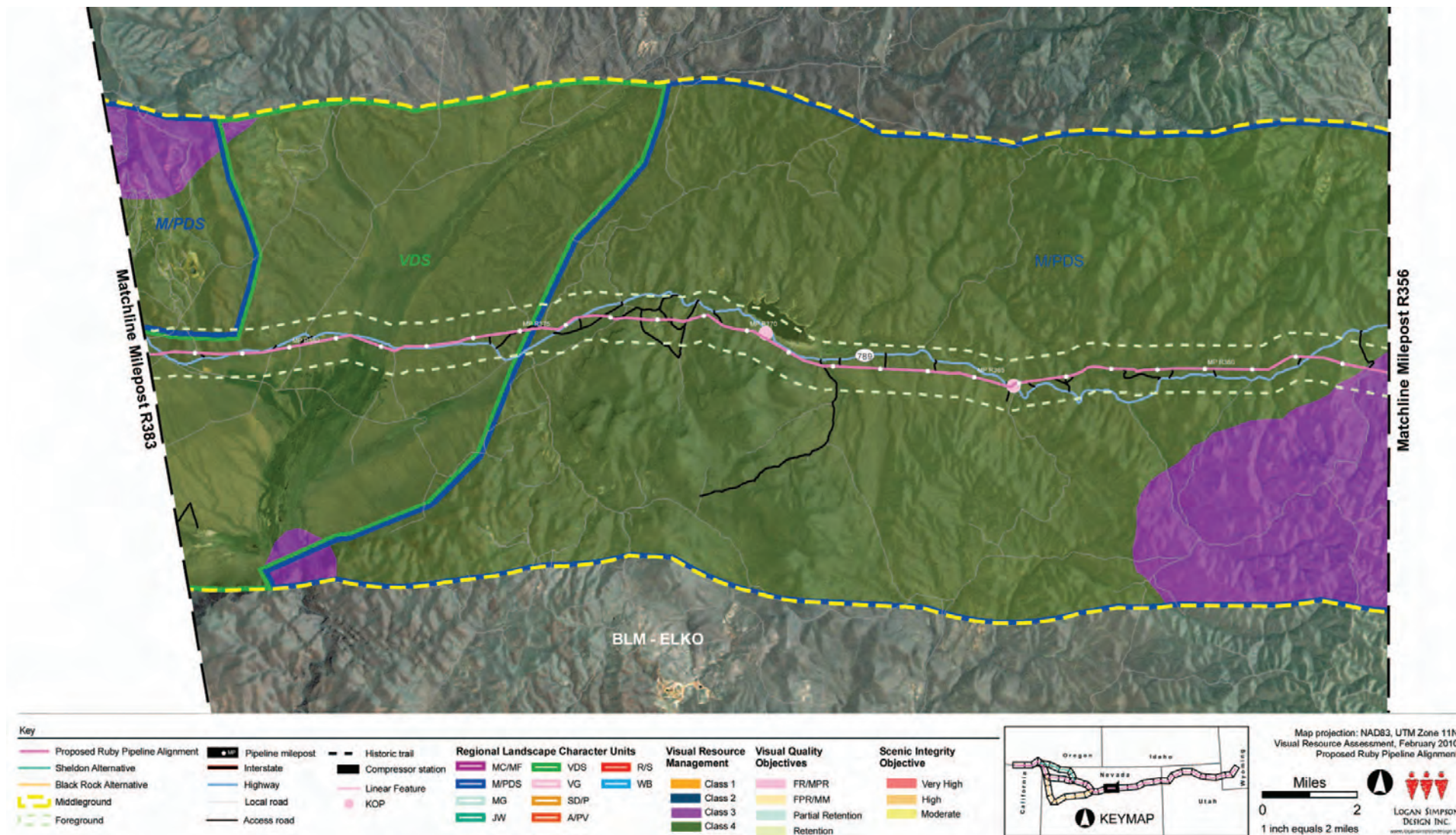




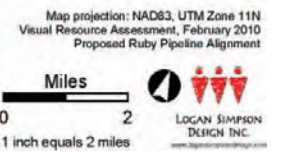
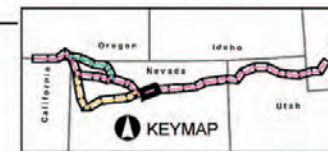
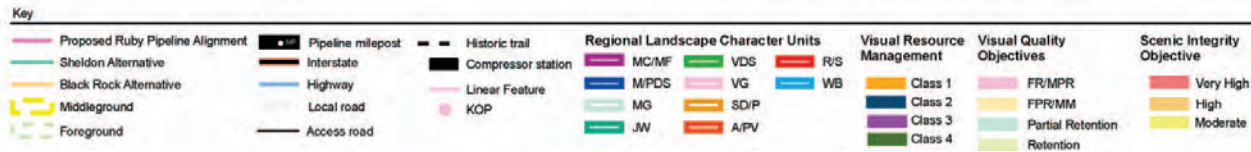
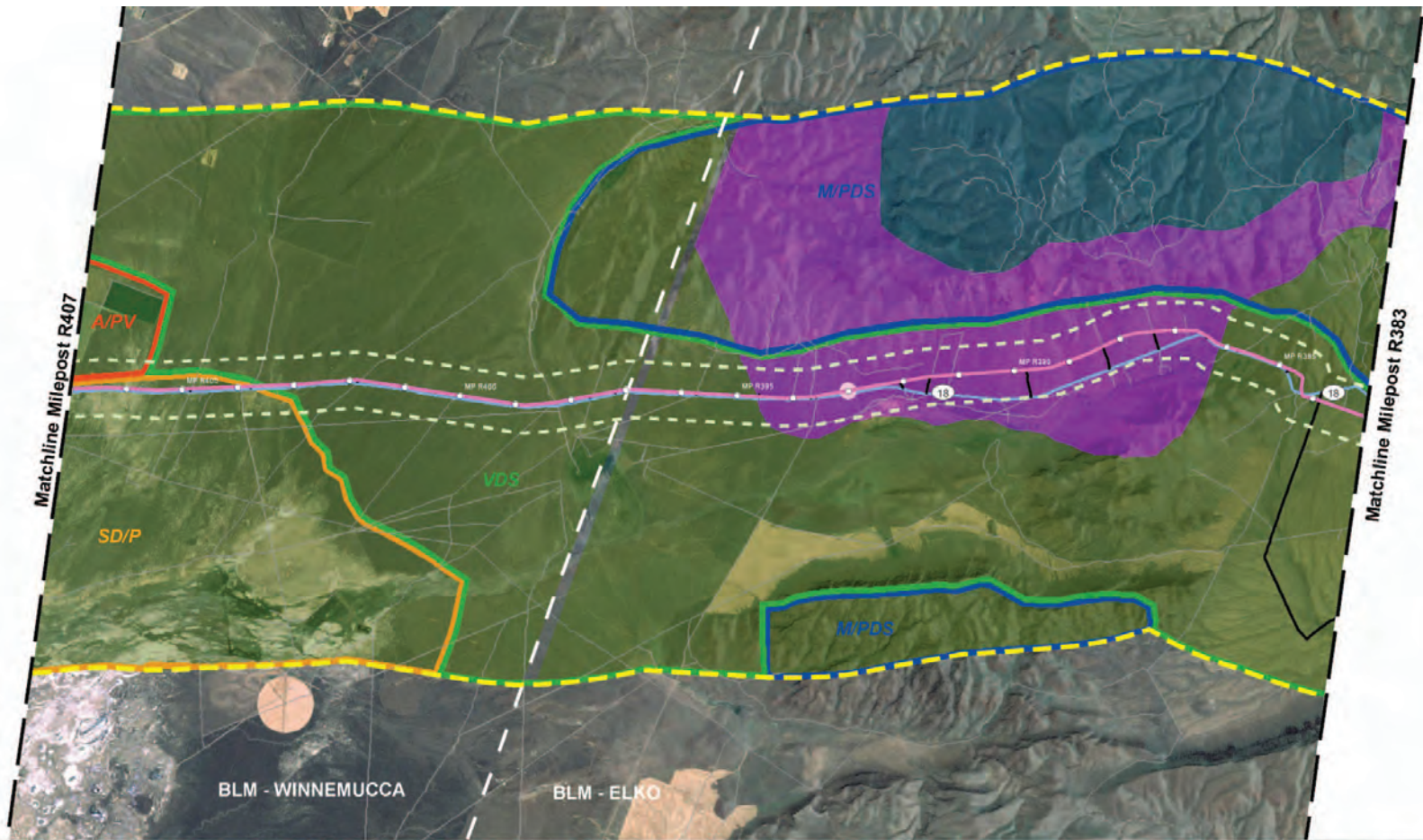




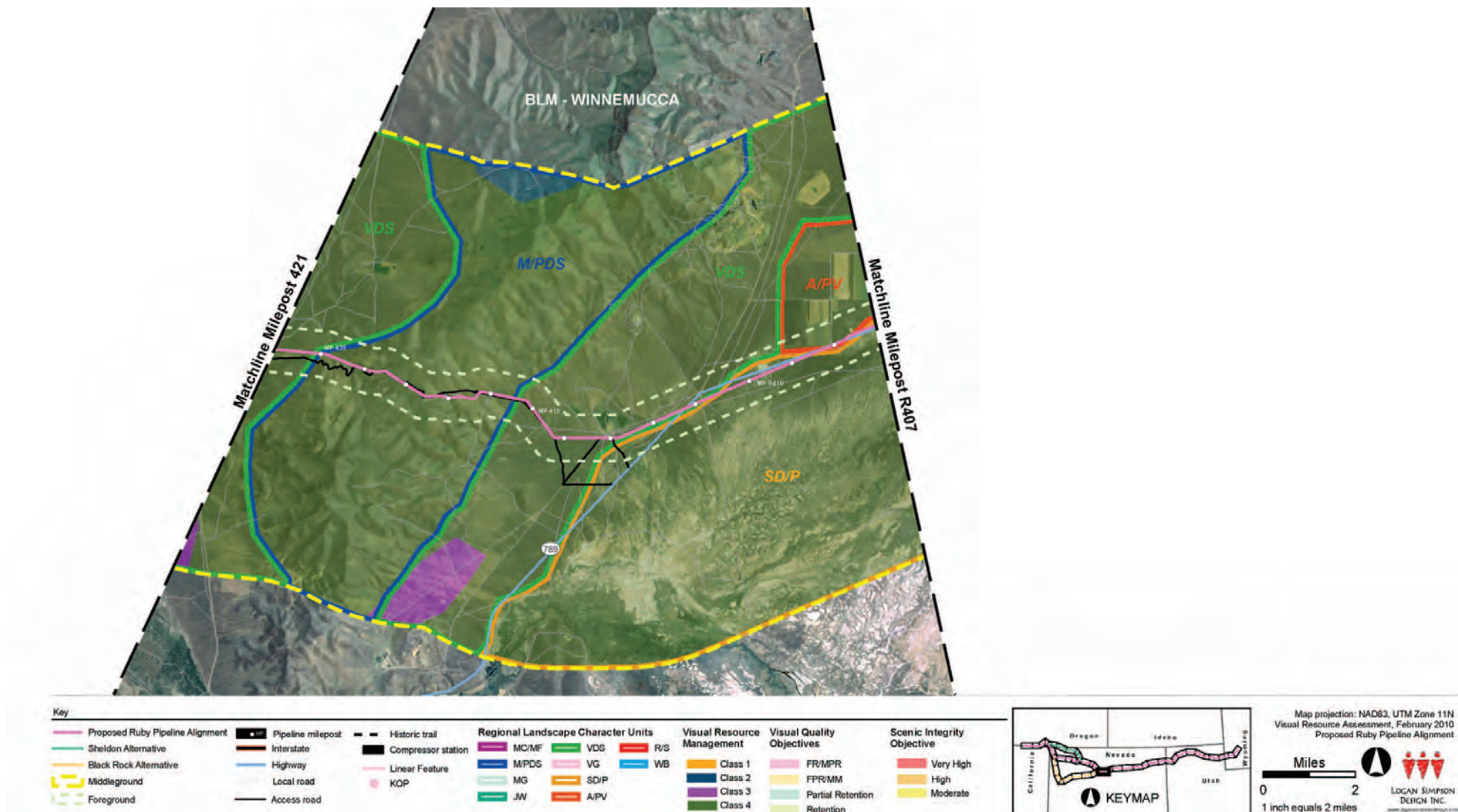


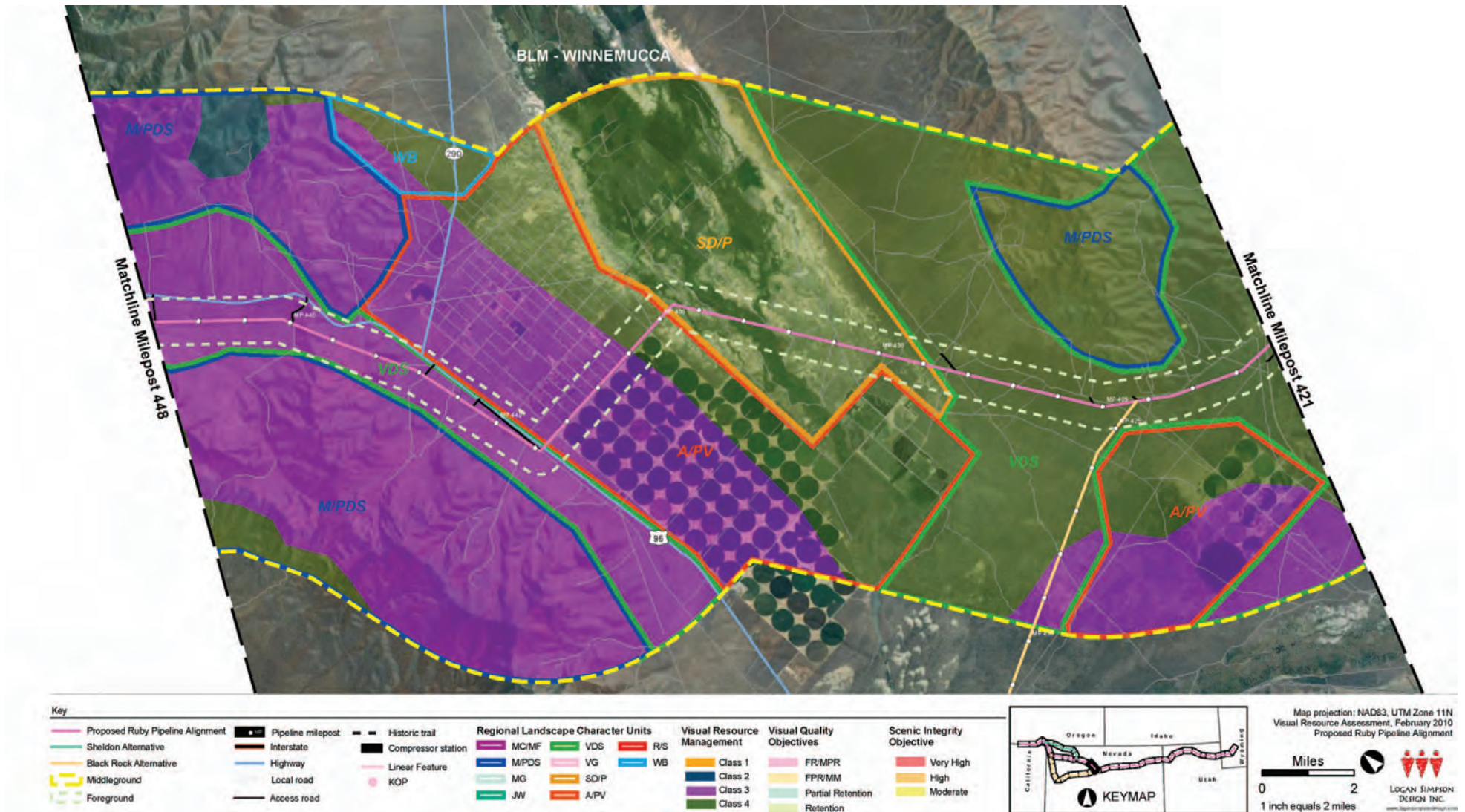




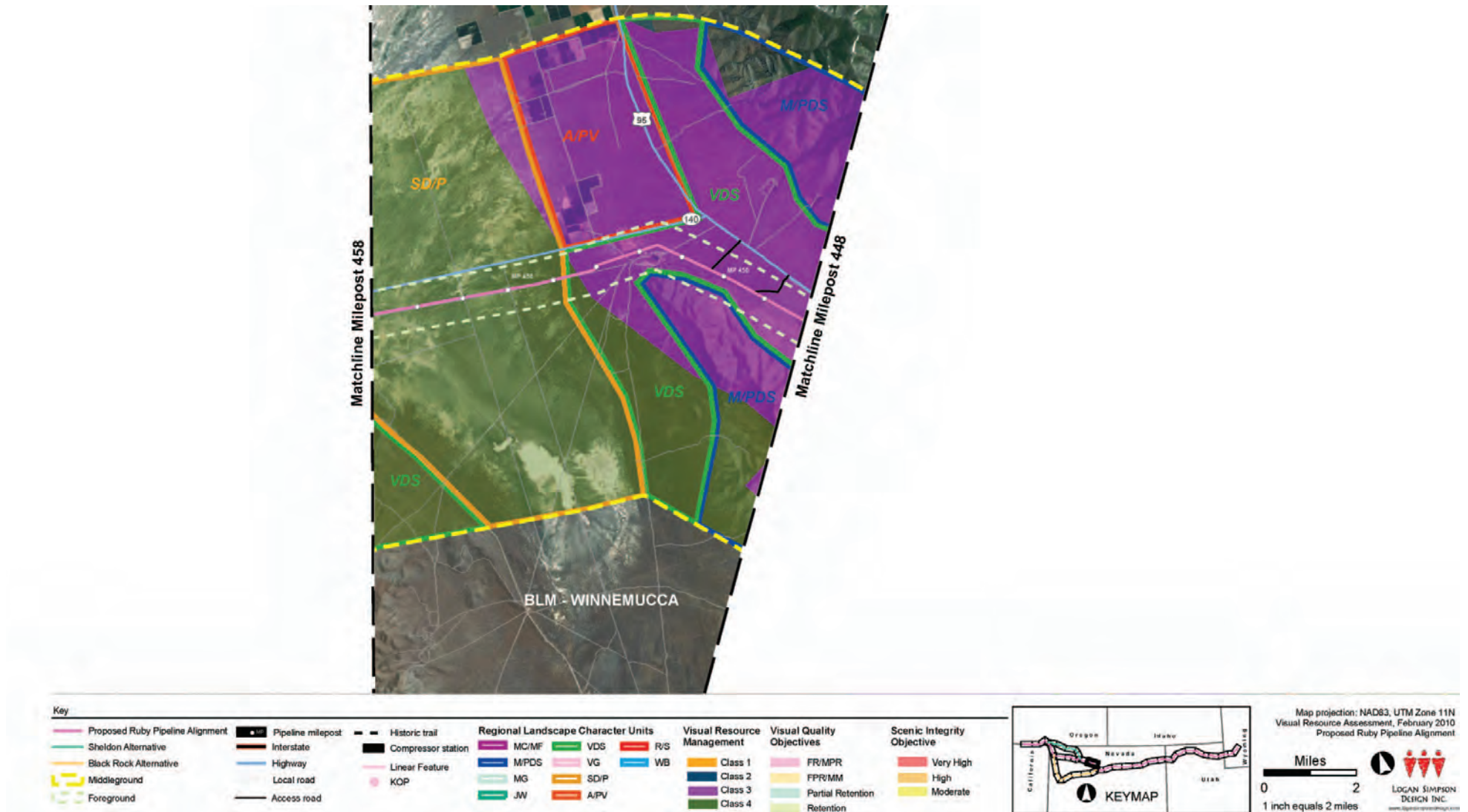


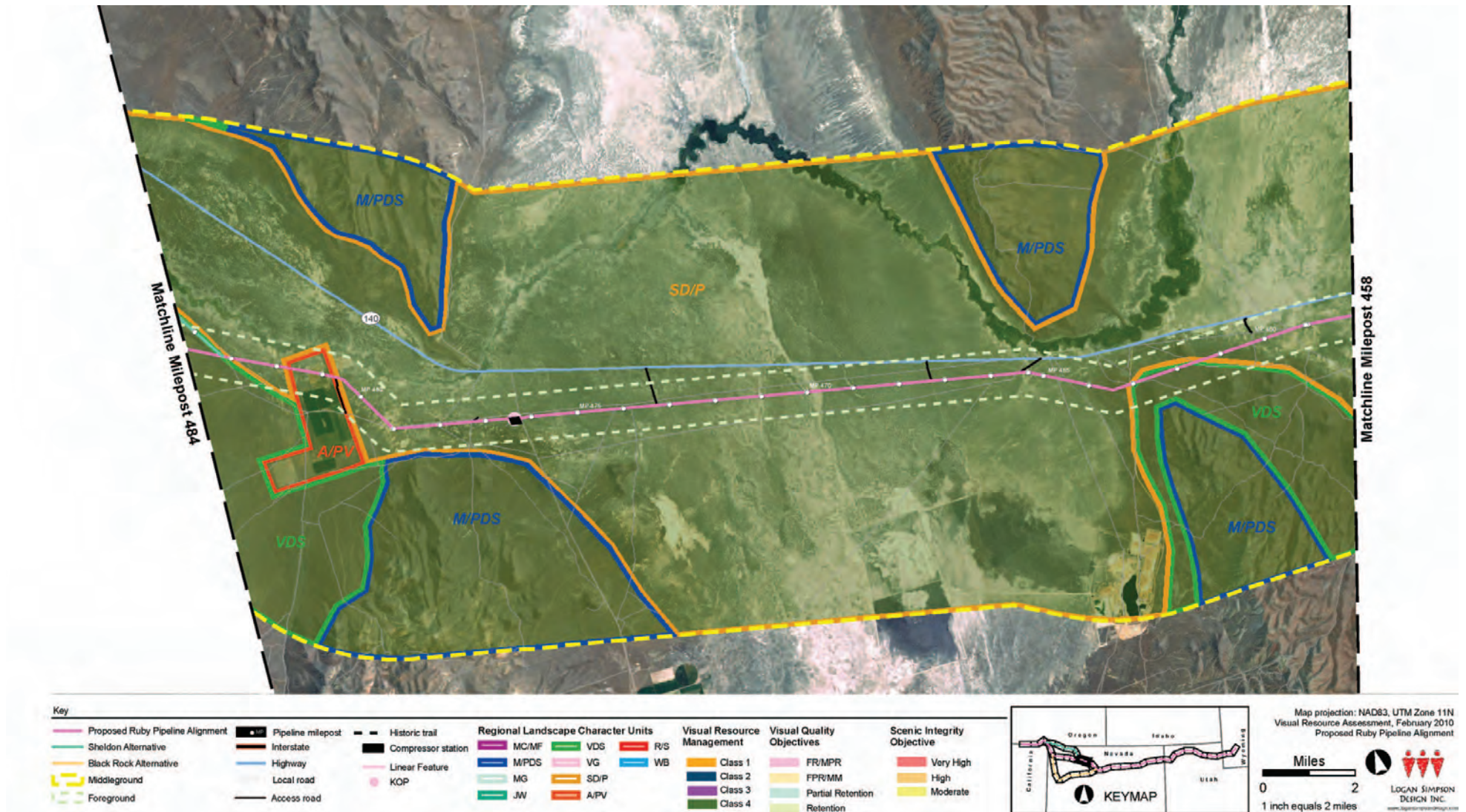




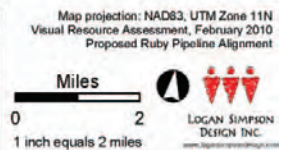
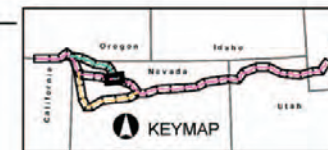
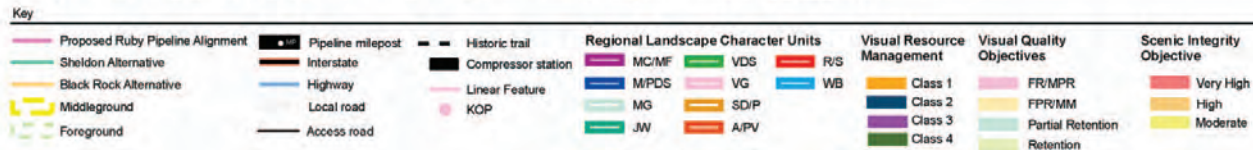
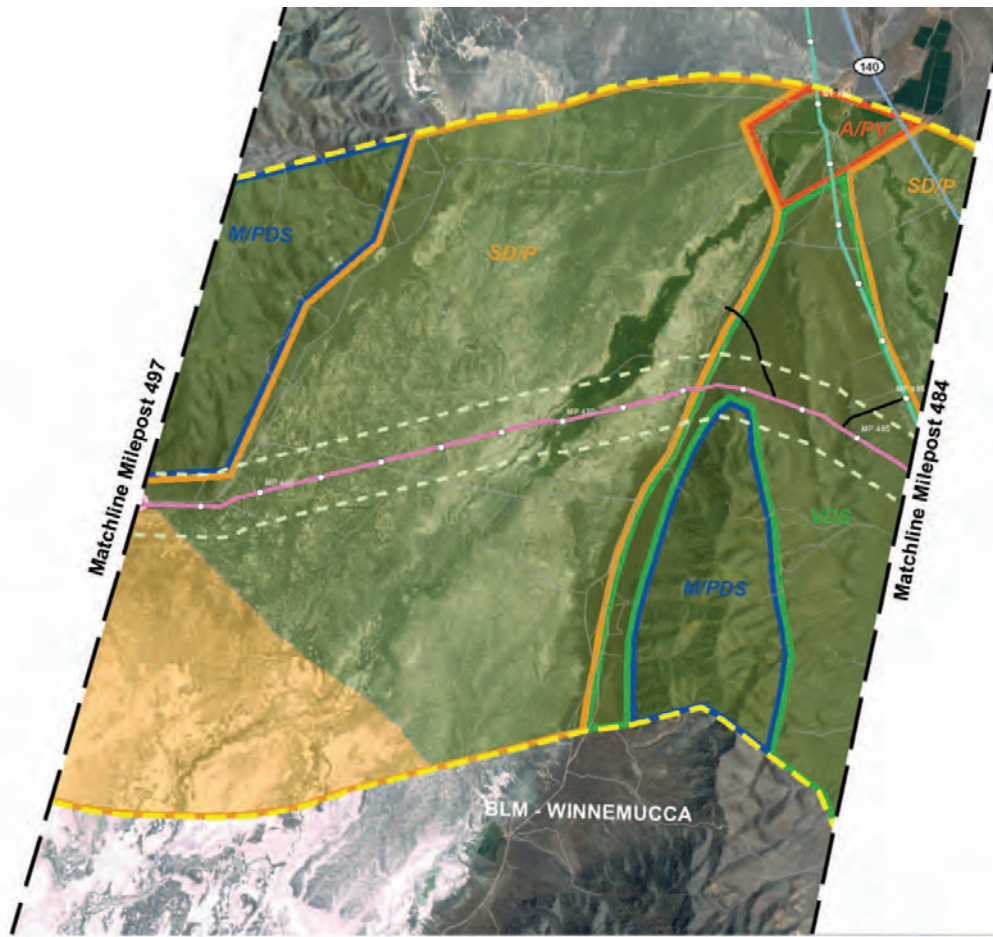


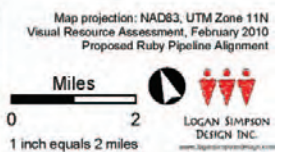
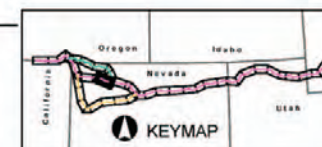
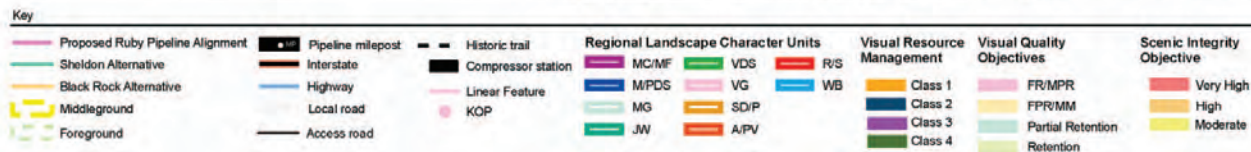
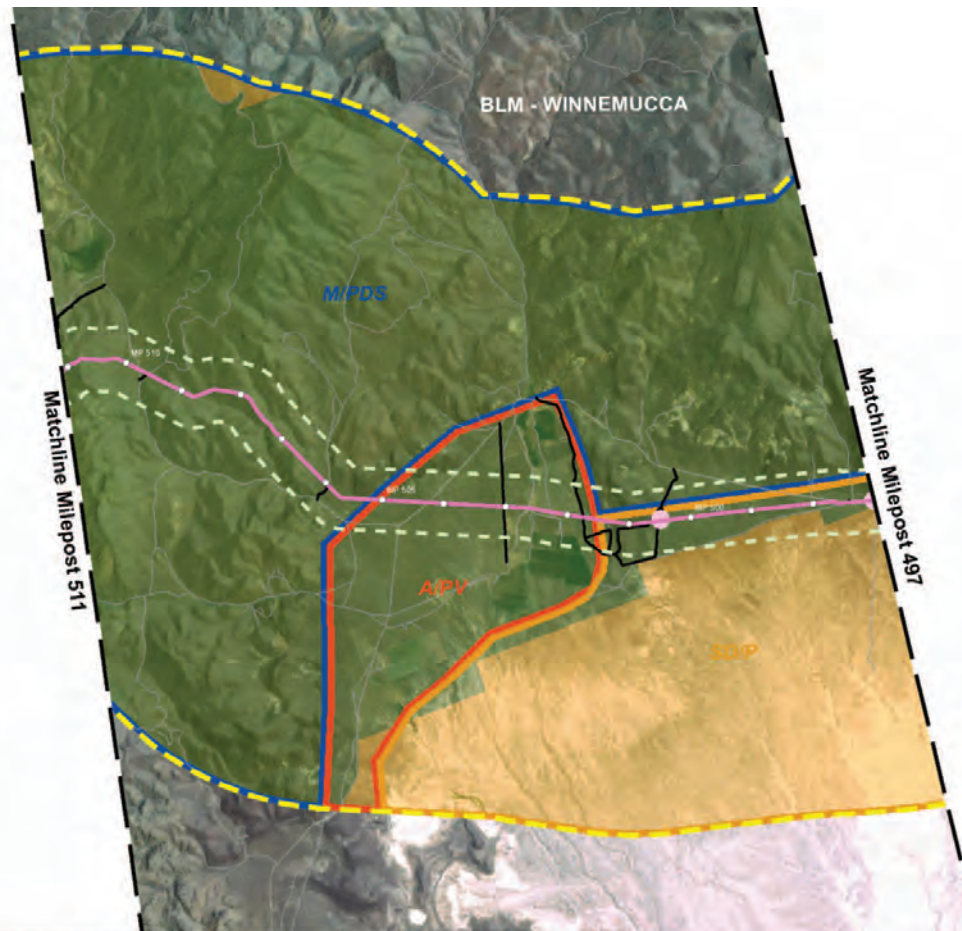




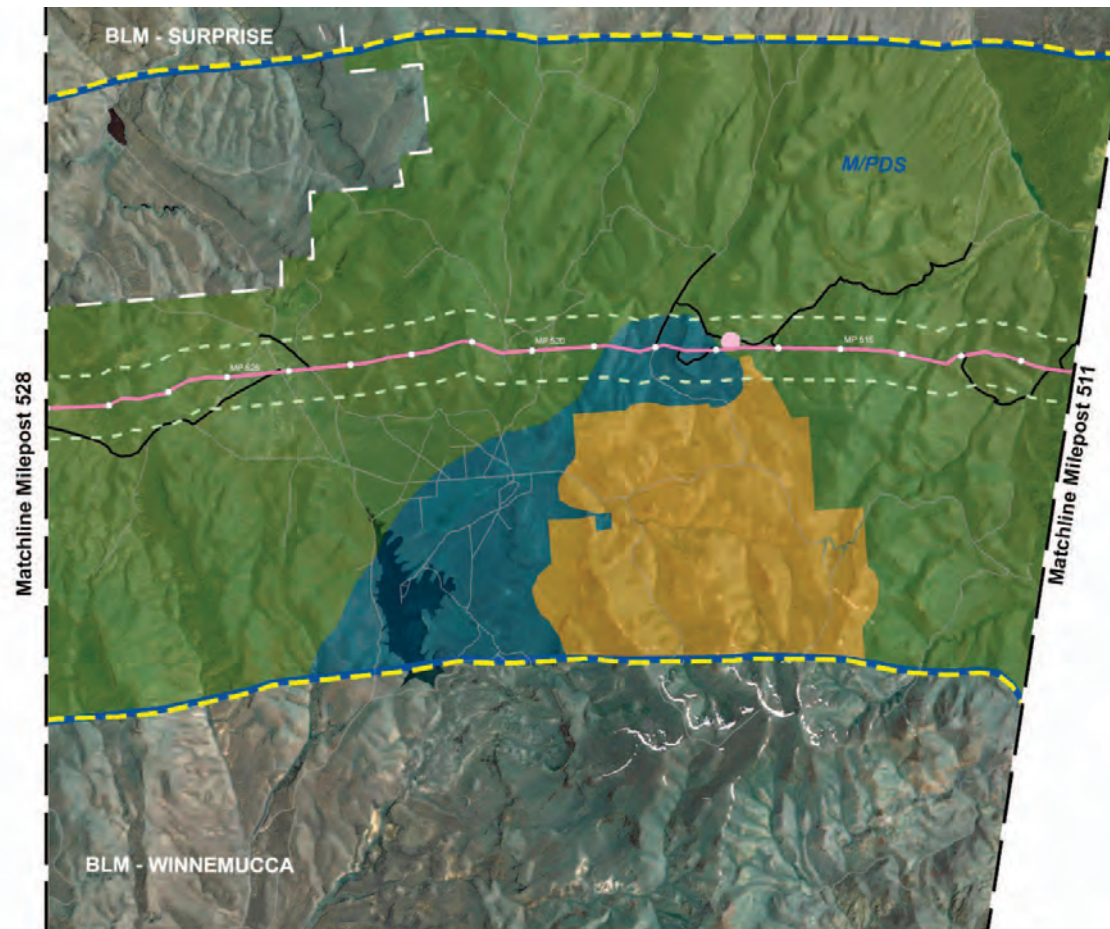






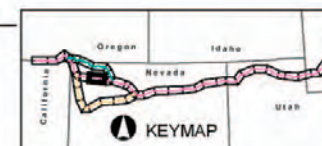






Key

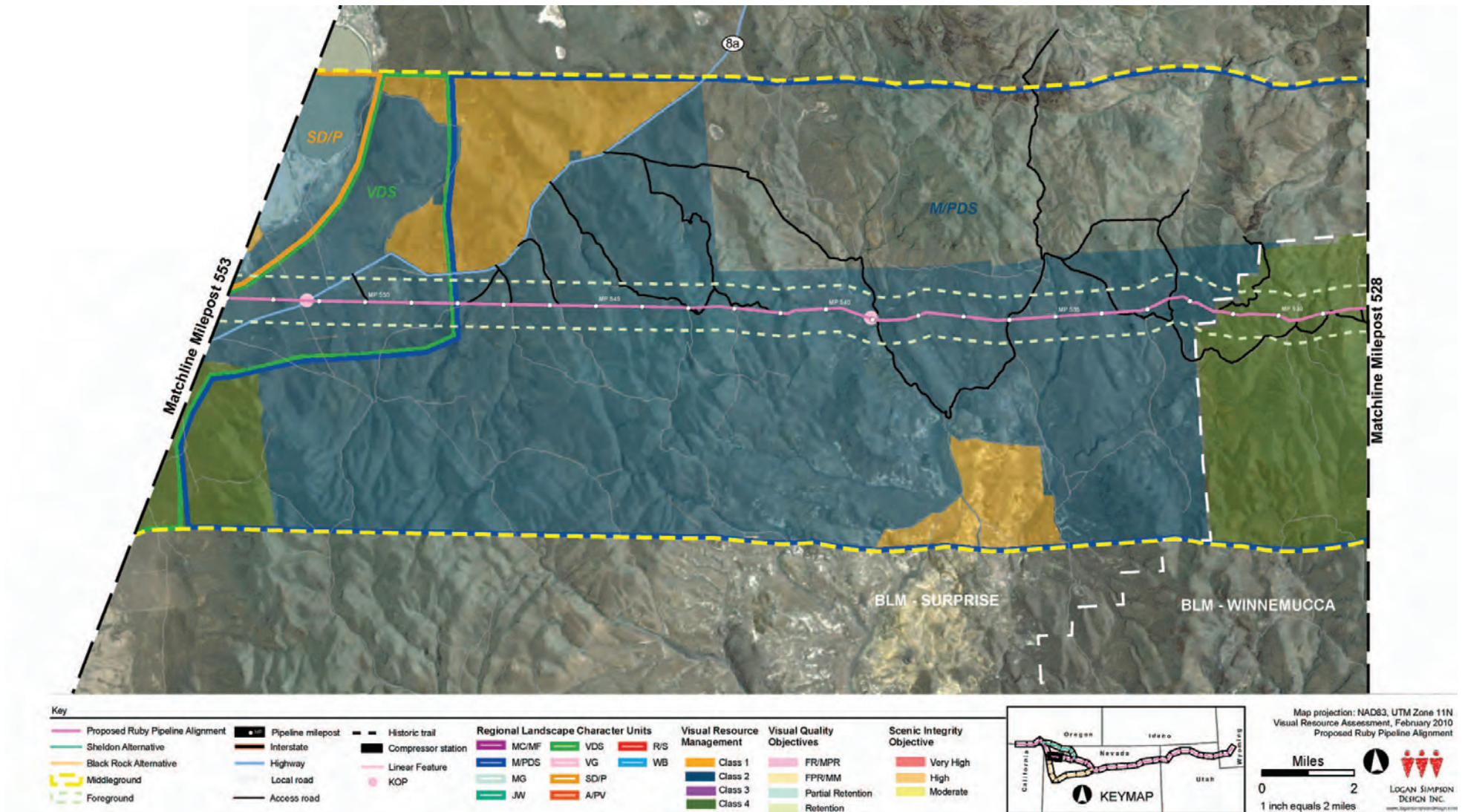
|                                  |                   |                    |                                    |                            |                           |                            |
|----------------------------------|-------------------|--------------------|------------------------------------|----------------------------|---------------------------|----------------------------|
| Proposed Ruby Pipeline Alignment | Pipeline milepost | Historic trail     | Regional Landscape Character Units | Visual Resource Management | Visual Quality Objectives | Scenic Integrity Objective |
| Sheldon Alternative              | Interstate        | Compressor station | MC/MF                              | Class 1                    | FR/MPR                    | Very High                  |
| Black Rock Alternative           | Highway           | Linear Feature     | M/PDS                              | Class 2                    | FPR/MM                    | High                       |
| Middleground                     | Local road        | KOP                | MG                                 | Class 3                    | Partial Retention         | Moderate                   |
| Foreground                       | Access road       |                    | JW                                 | Class 4                    | Retention                 |                            |
|                                  |                   |                    | VDS                                |                            |                           |                            |
|                                  |                   |                    | VG                                 |                            |                           |                            |
|                                  |                   |                    | SD/P                               |                            |                           |                            |
|                                  |                   |                    | A/PV                               |                            |                           |                            |
|                                  |                   |                    | R/S                                |                            |                           |                            |
|                                  |                   |                    | WB                                 |                            |                           |                            |



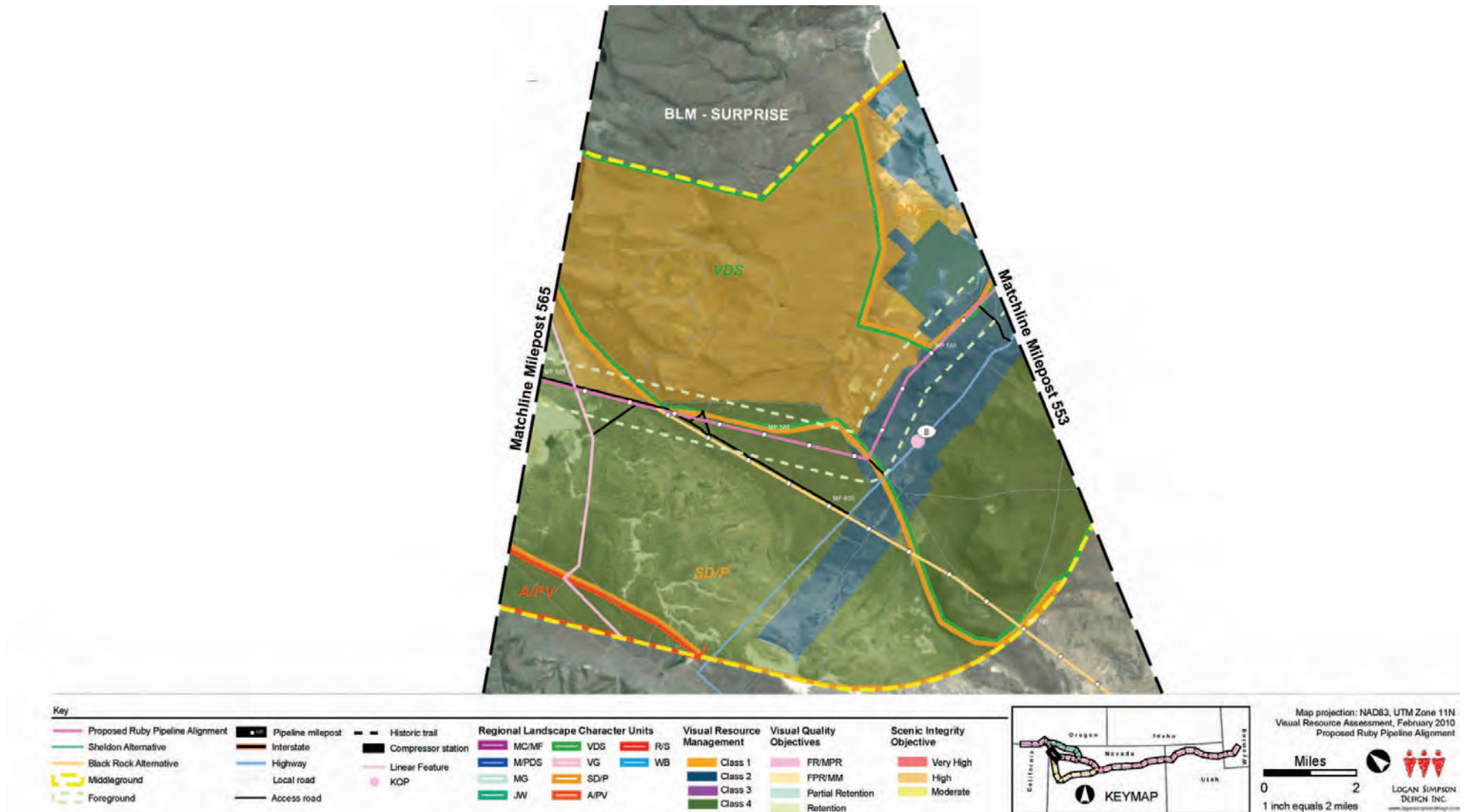
Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment

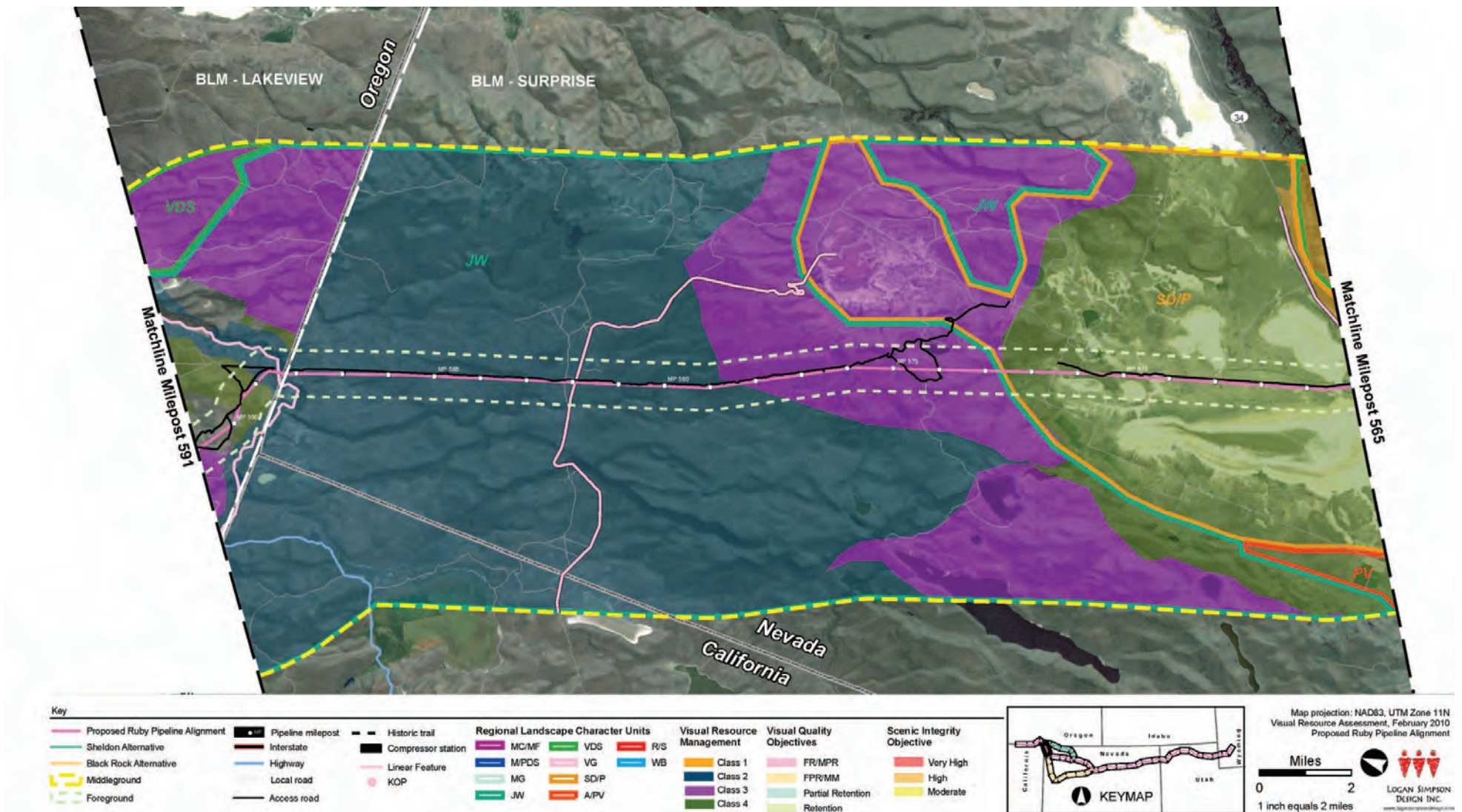
Miles  
 0 2  
 1 inch equals 2 miles

LOGAN SIMPSON  
 DESIGN INC.  
[www.logansimpsondesign.com](http://www.logansimpsondesign.com)

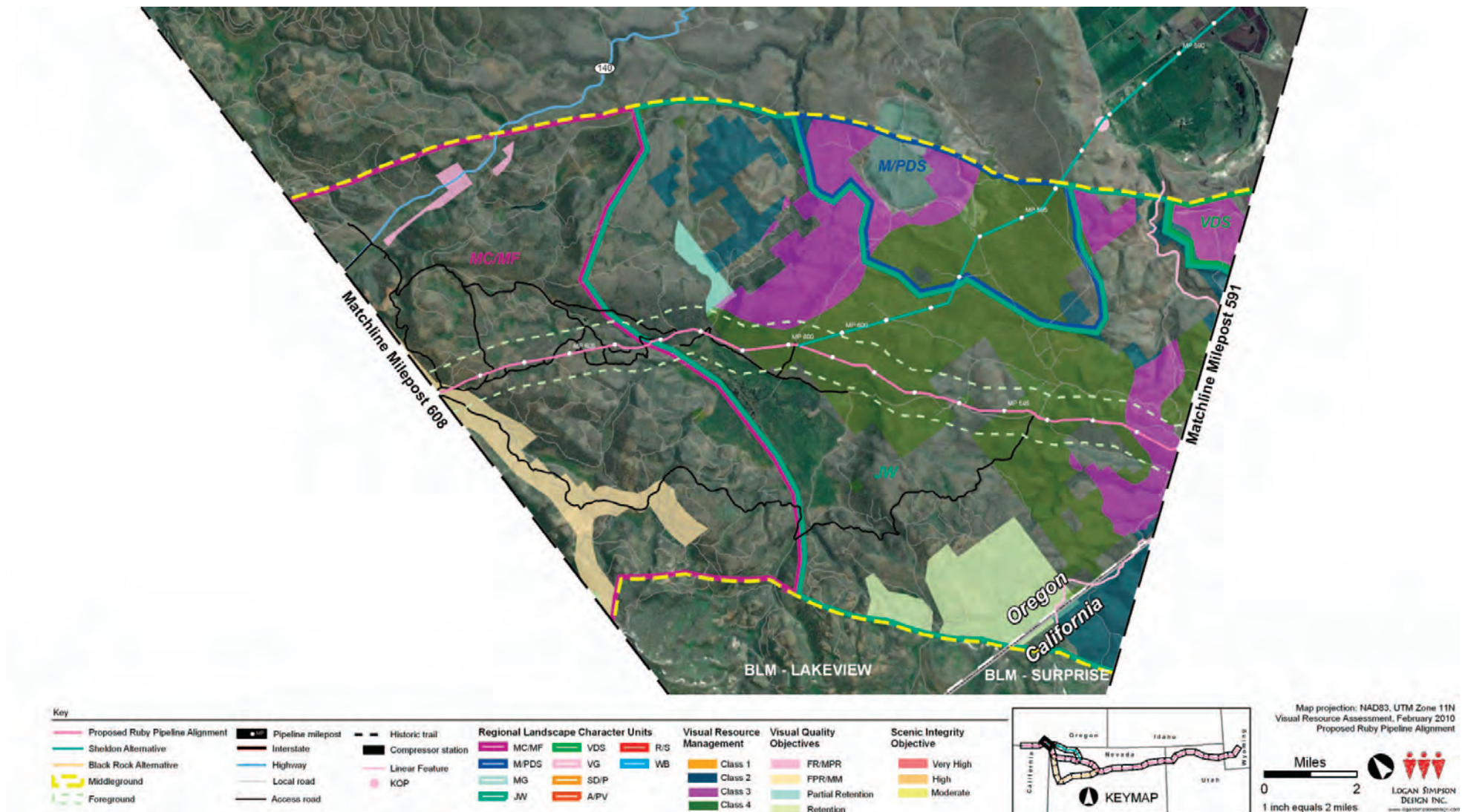


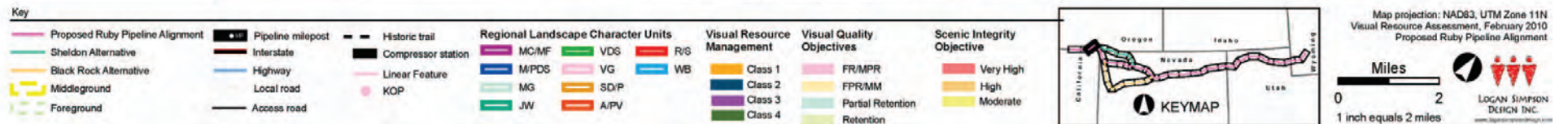




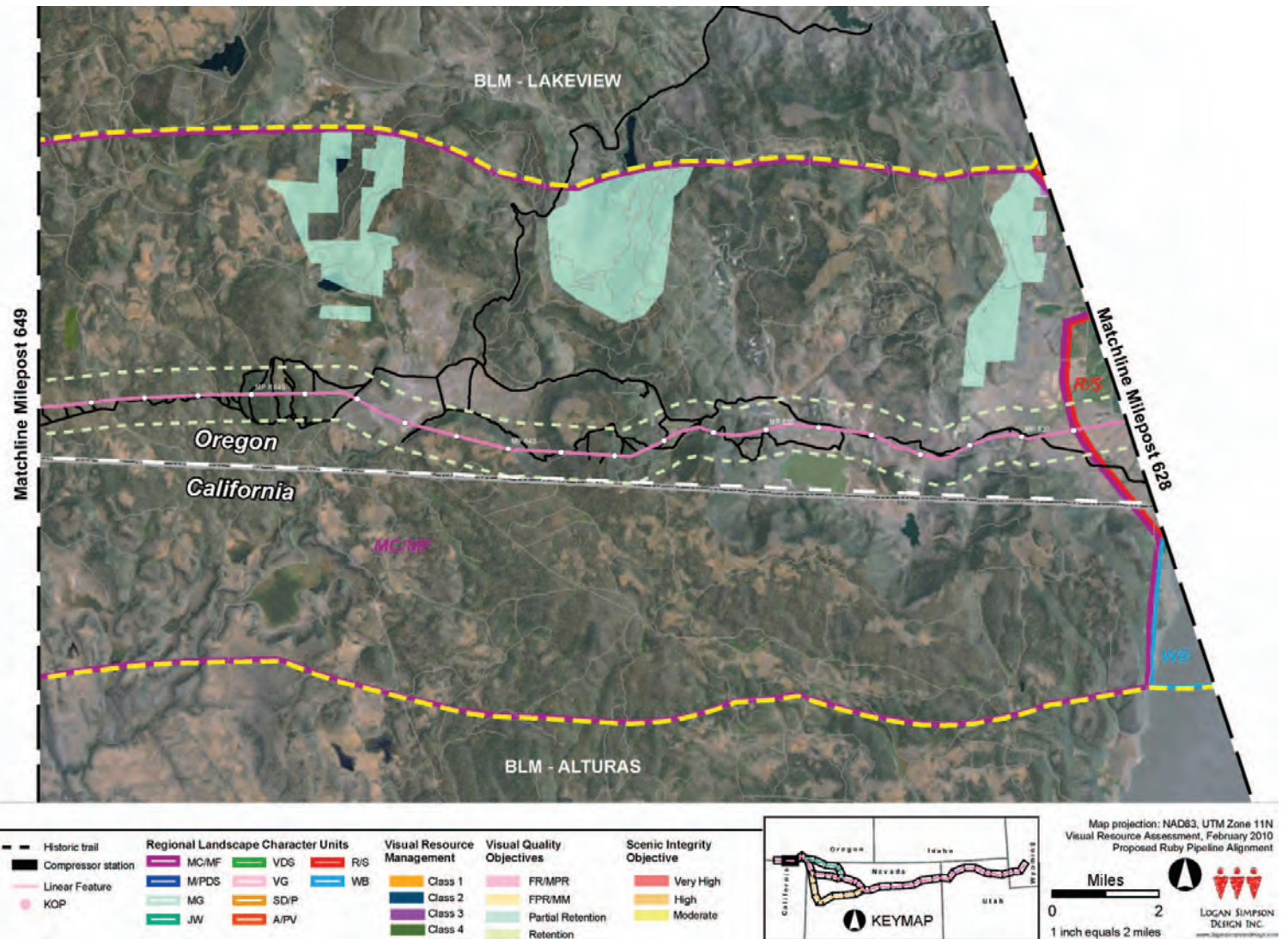




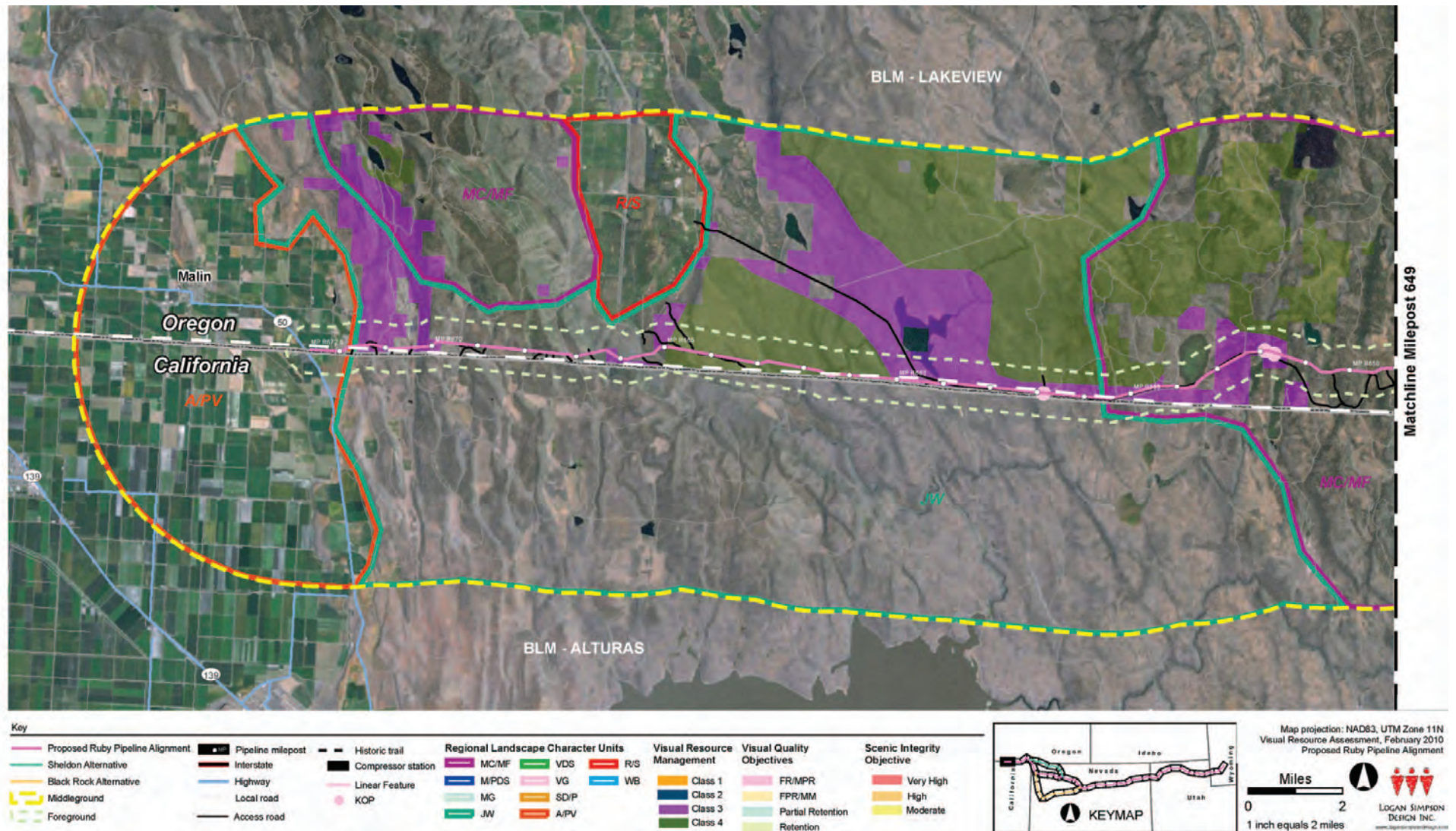




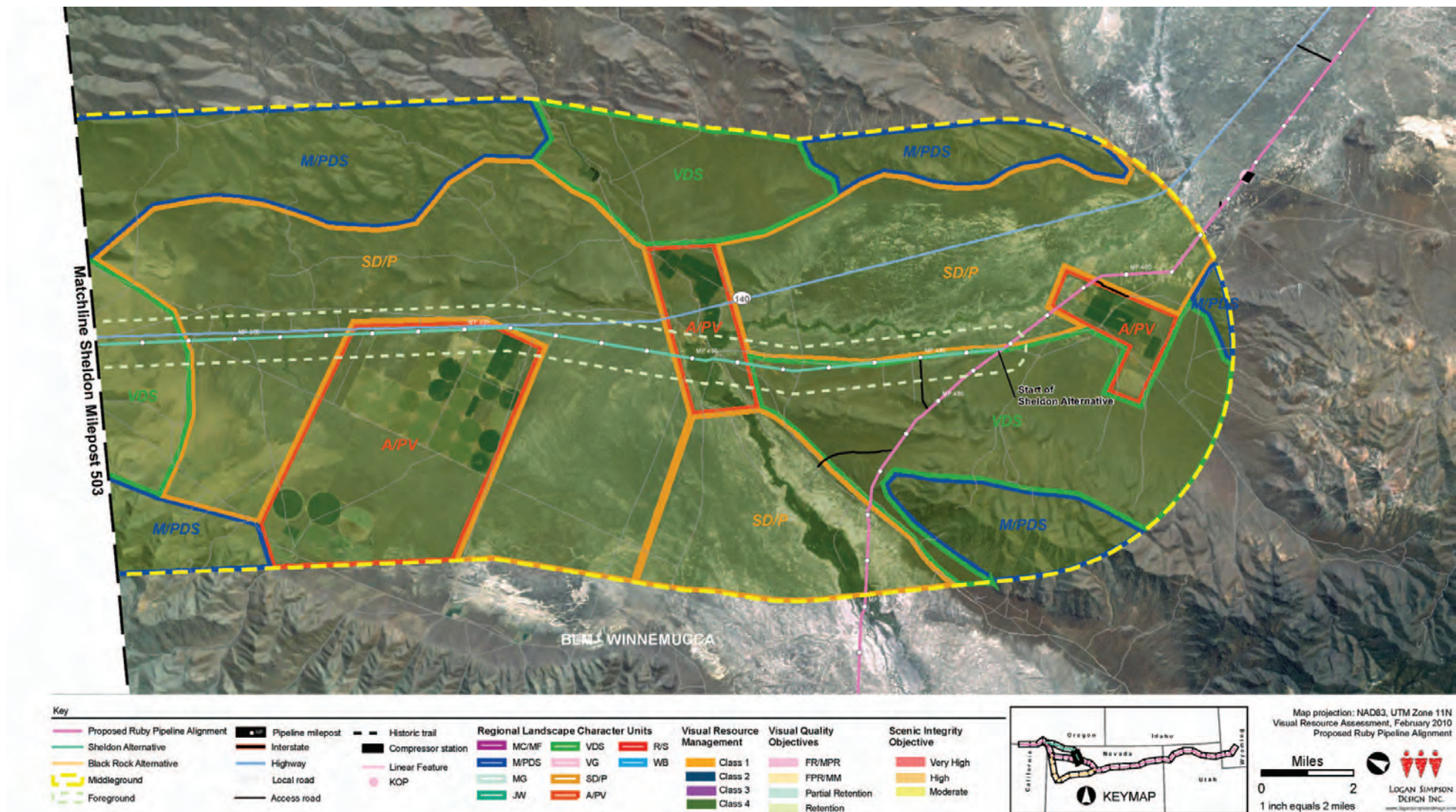


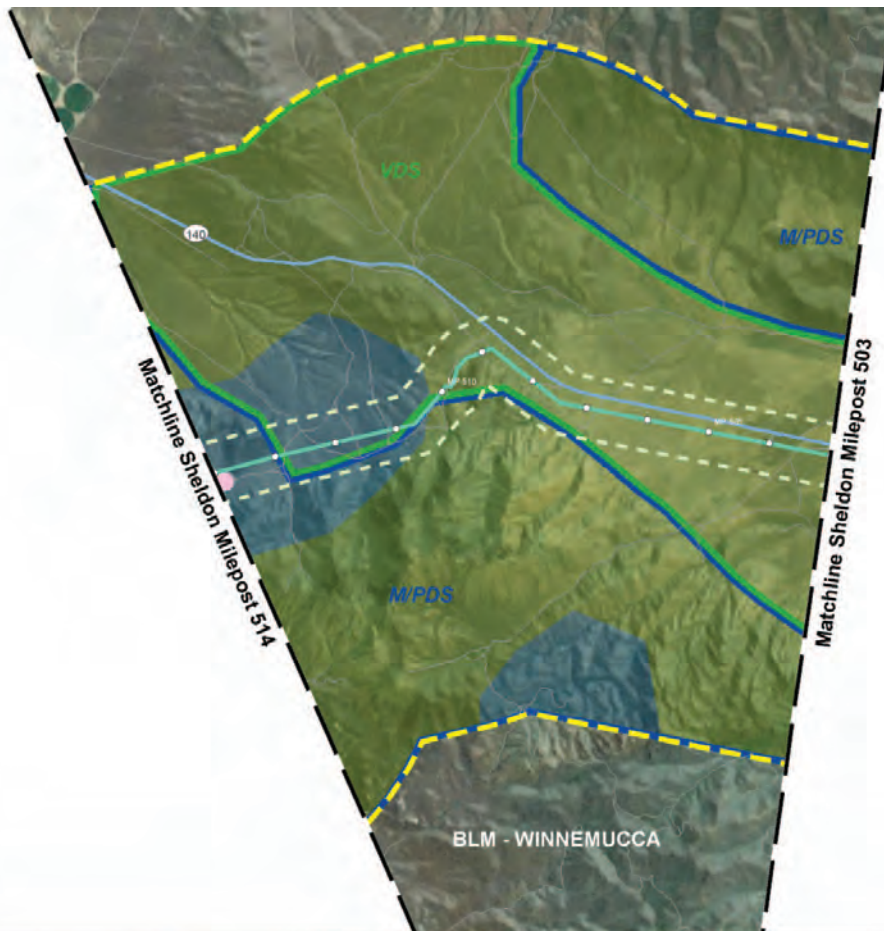






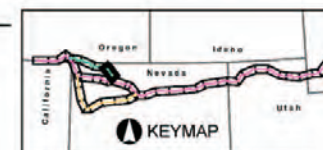






**Key**

|                                  |                   |                    |                                    |                            |                           |                            |
|----------------------------------|-------------------|--------------------|------------------------------------|----------------------------|---------------------------|----------------------------|
| Proposed Ruby Pipeline Alignment | Pipeline milepost | Historic trail     | Regional Landscape Character Units | Visual Resource Management | Visual Quality Objectives | Scenic Integrity Objective |
| Sheldon Alternative              | Interstate        | Compressor station | MC/MF                              | Class 1                    | FR/MPR                    | Very High                  |
| Black Rock Alternative           | Highway           | Linear Feature     | M/PDS                              | Class 2                    | FPR/MM                    | High                       |
| Middleground                     | Local road        | KOP                | MG                                 | Class 3                    | Partial Retention         | Moderate                   |
| Foreground                       | Access road       |                    | JW                                 | Class 4                    | Retention                 |                            |
|                                  |                   |                    | SD/P                               |                            |                           |                            |
|                                  |                   |                    | A/PV                               |                            |                           |                            |
|                                  |                   |                    | R/S                                |                            |                           |                            |
|                                  |                   |                    | WB                                 |                            |                           |                            |
|                                  |                   |                    | VG                                 |                            |                           |                            |
|                                  |                   |                    | VDS                                |                            |                           |                            |

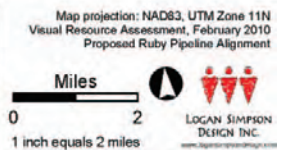
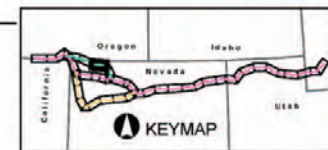
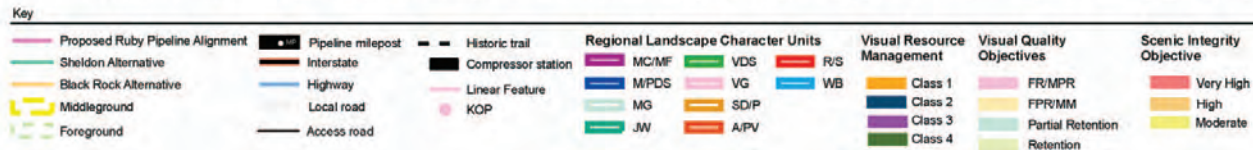
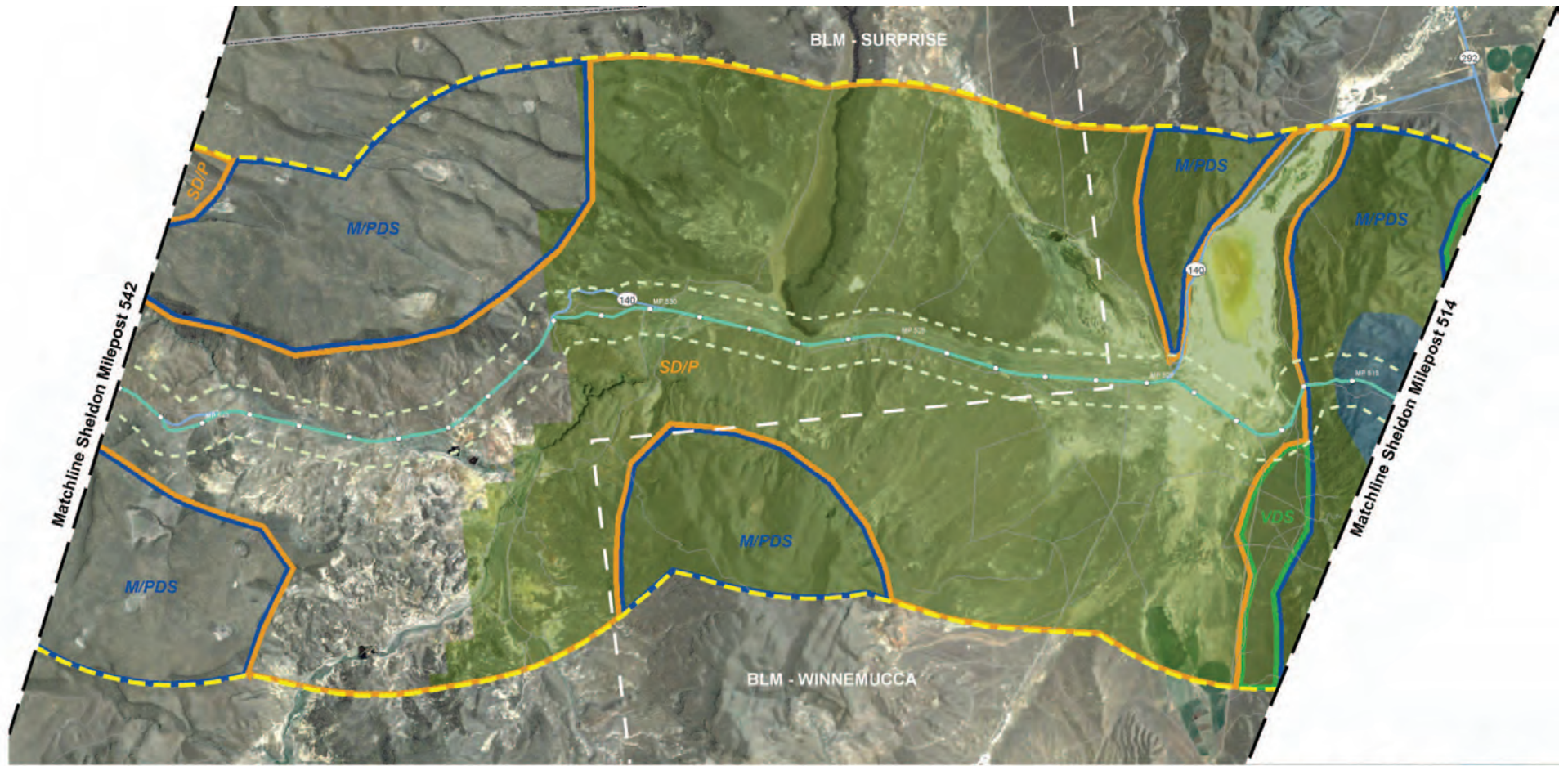


Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment

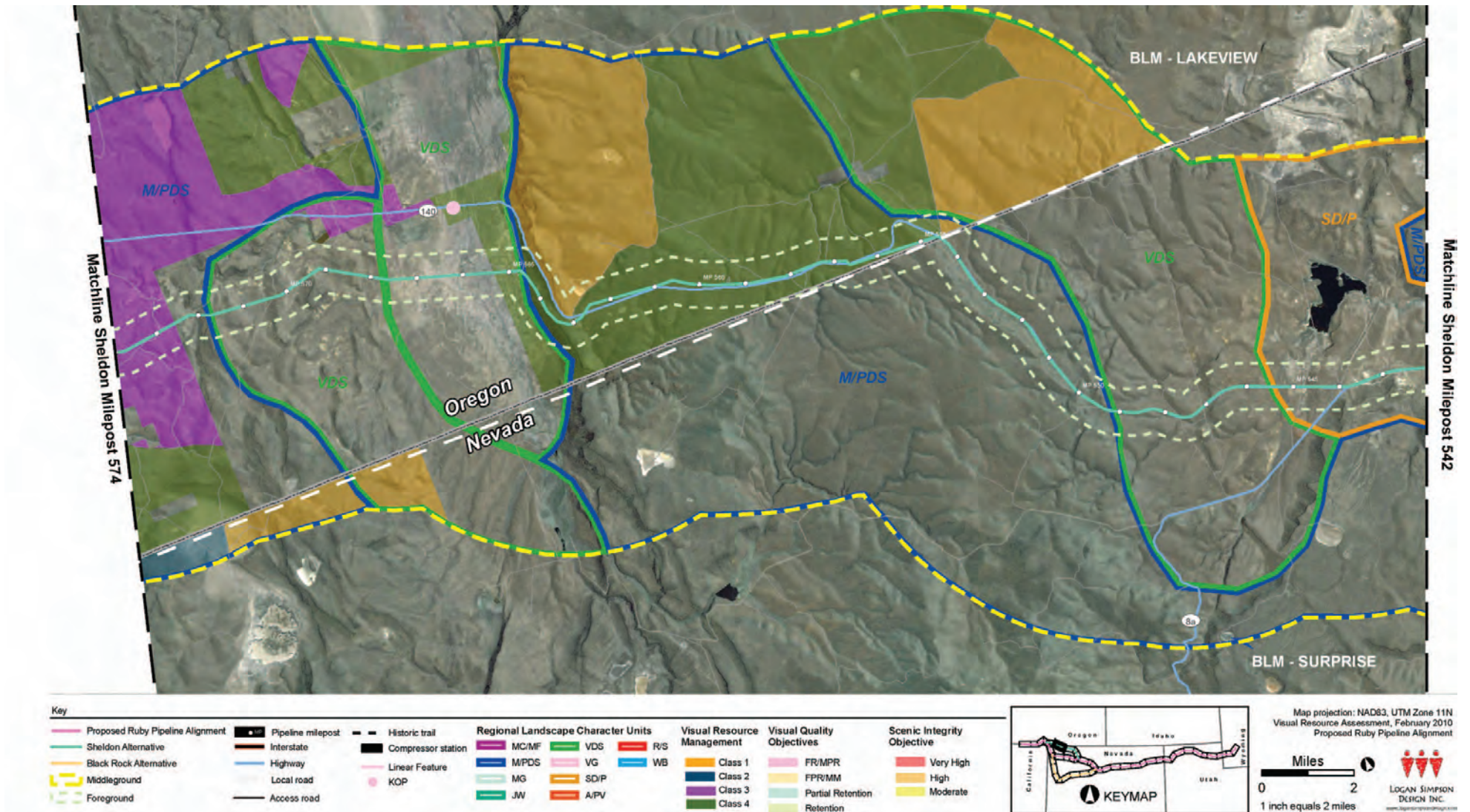
Miles  
 0 2  
 1 inch equals 2 miles

LOGAN SIMPSON  
 DESIGN INC.  
 www.logansimpsondesign.com

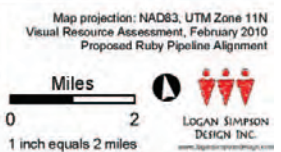
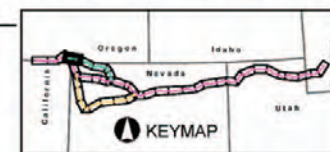
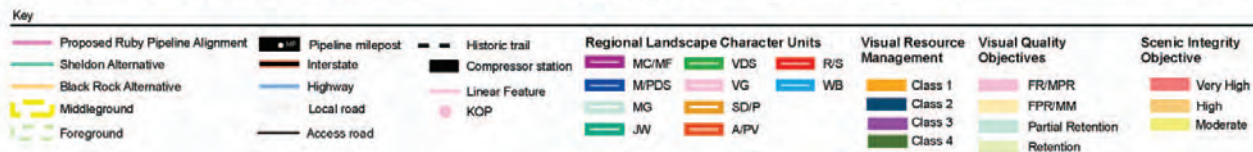
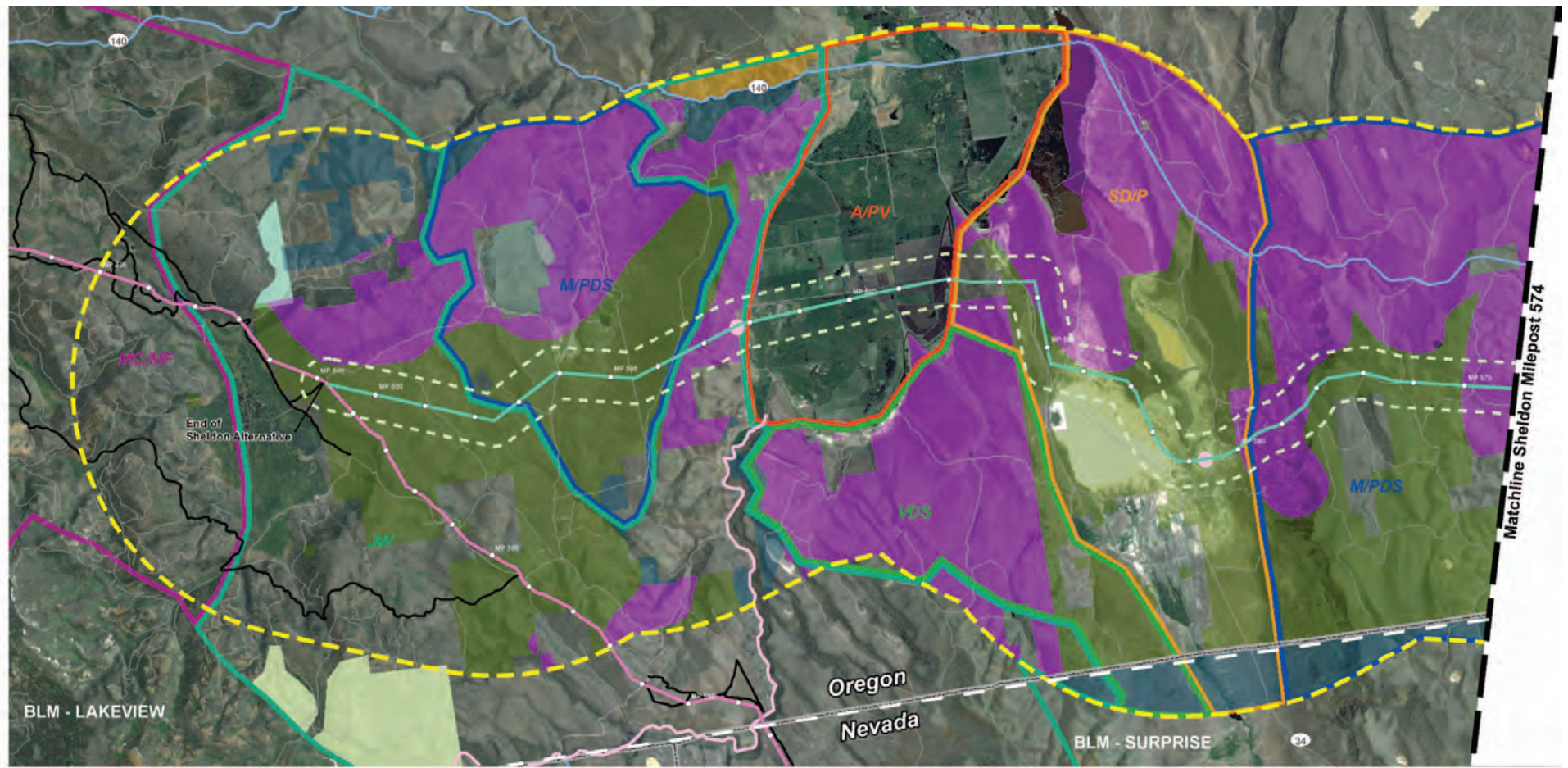




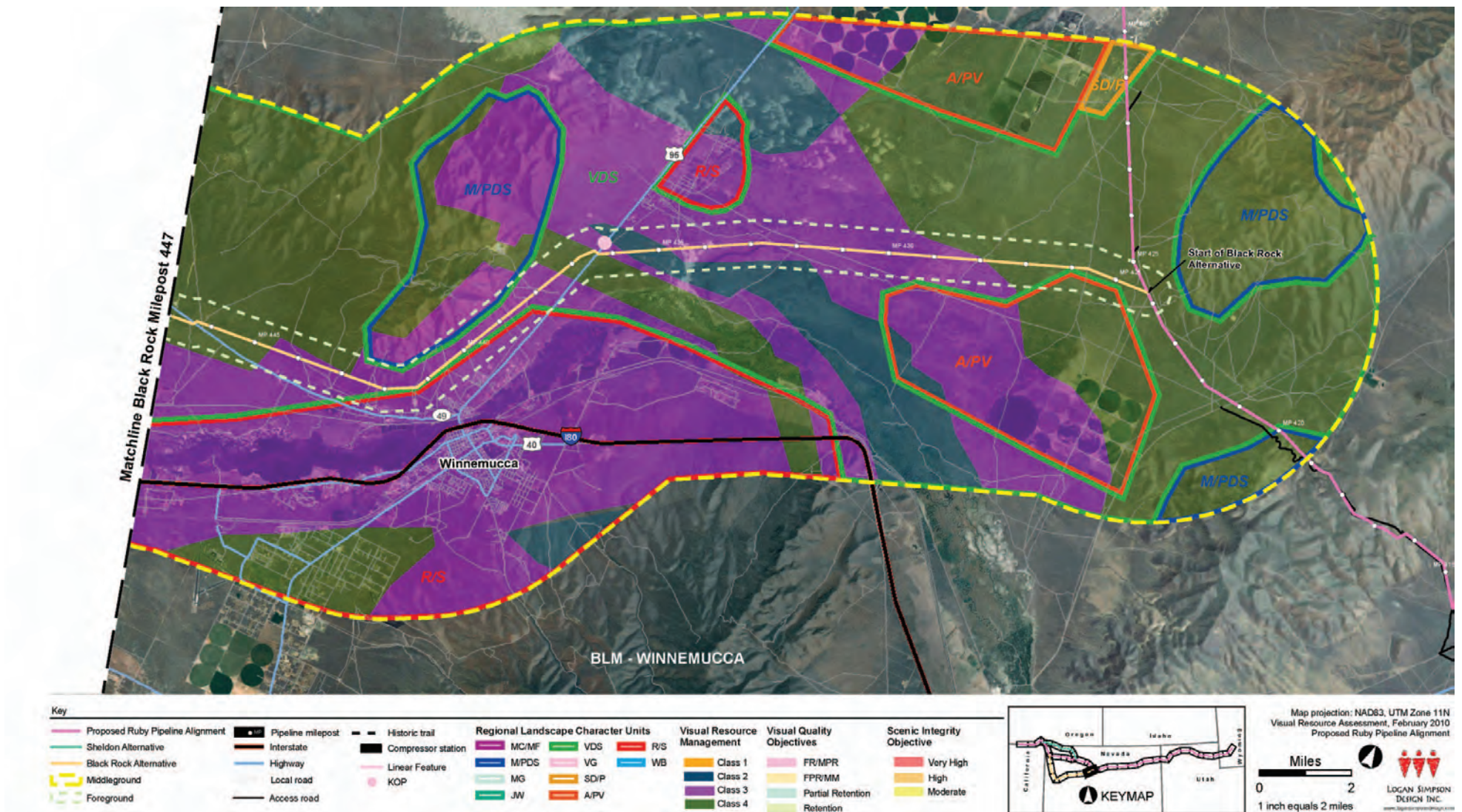




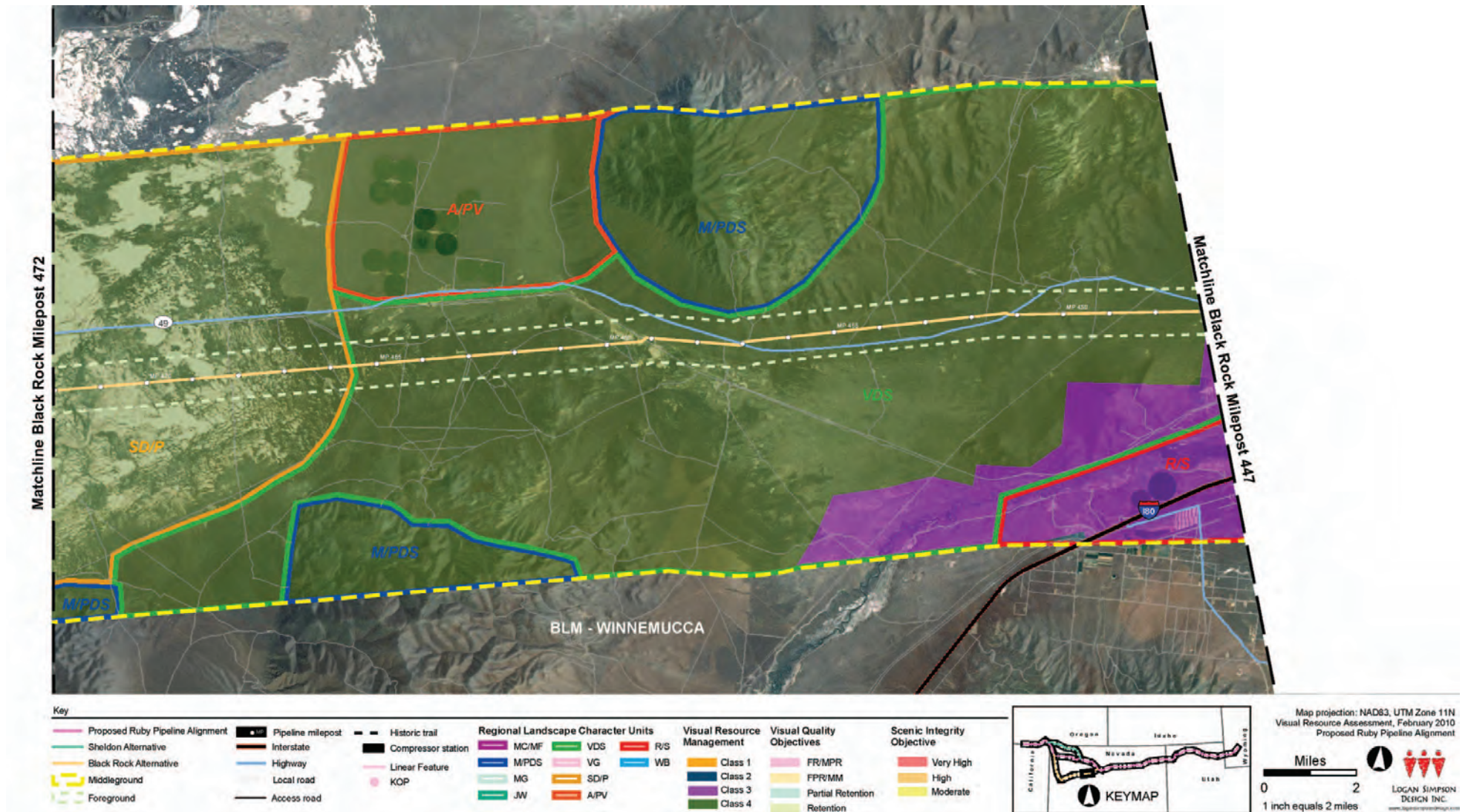




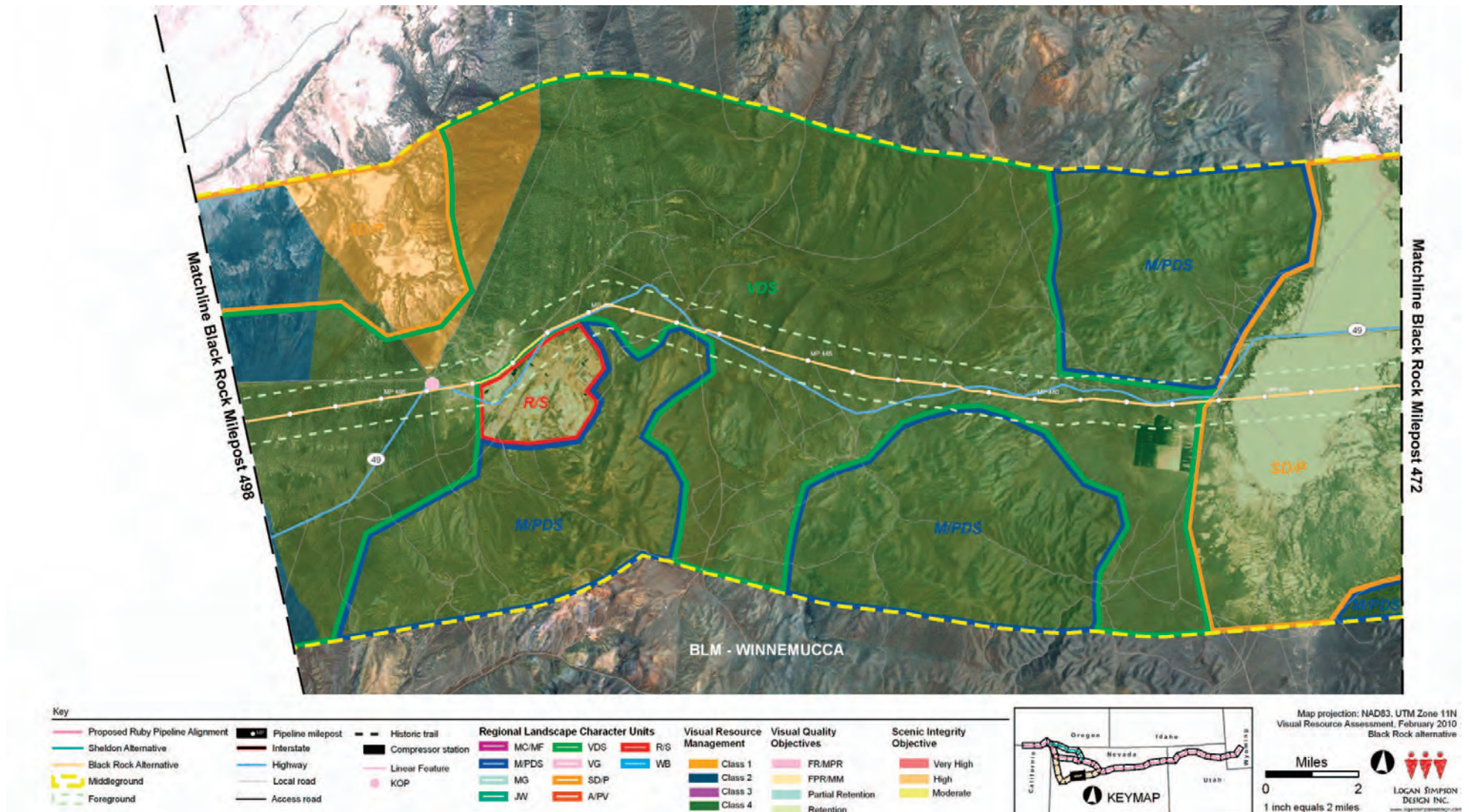




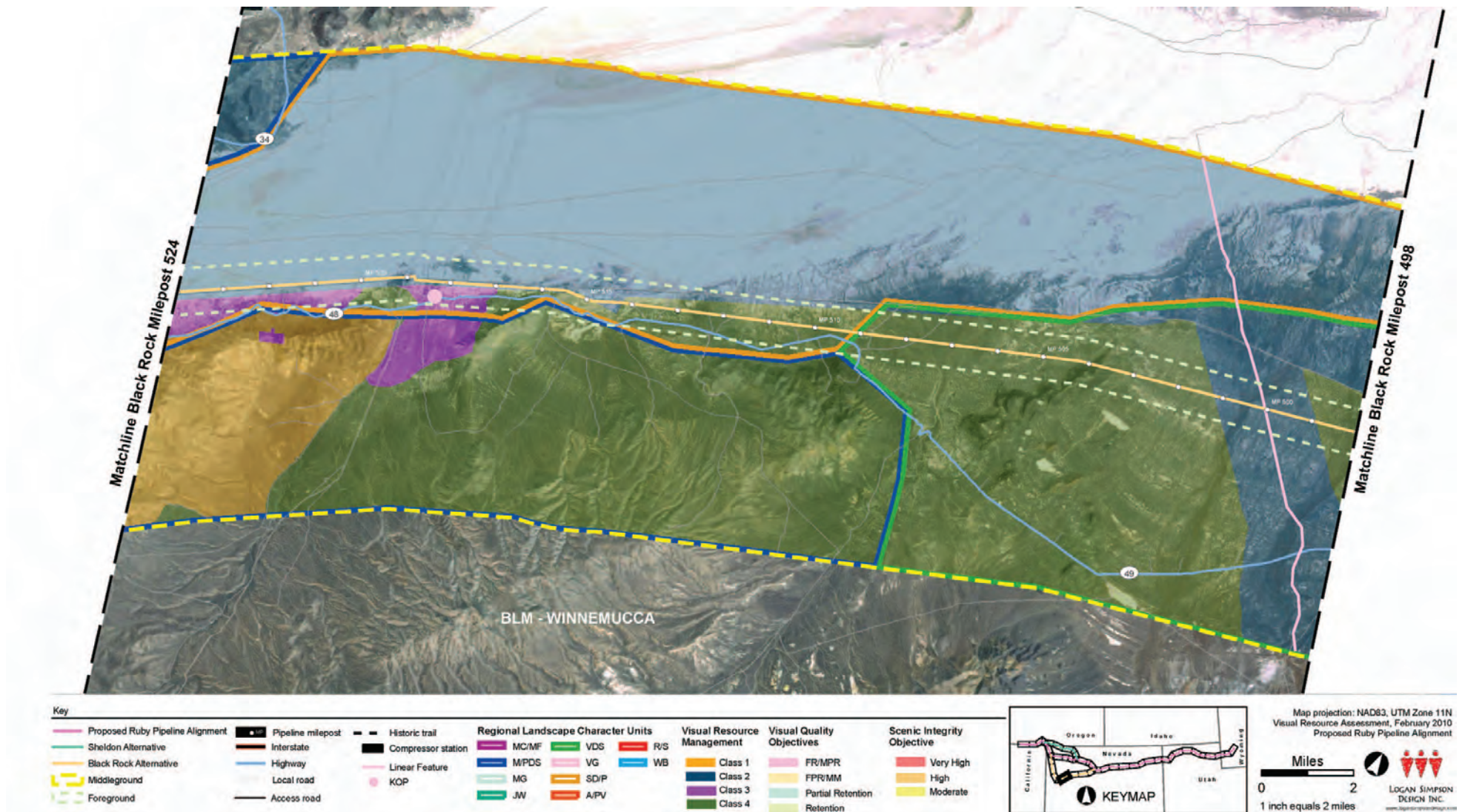


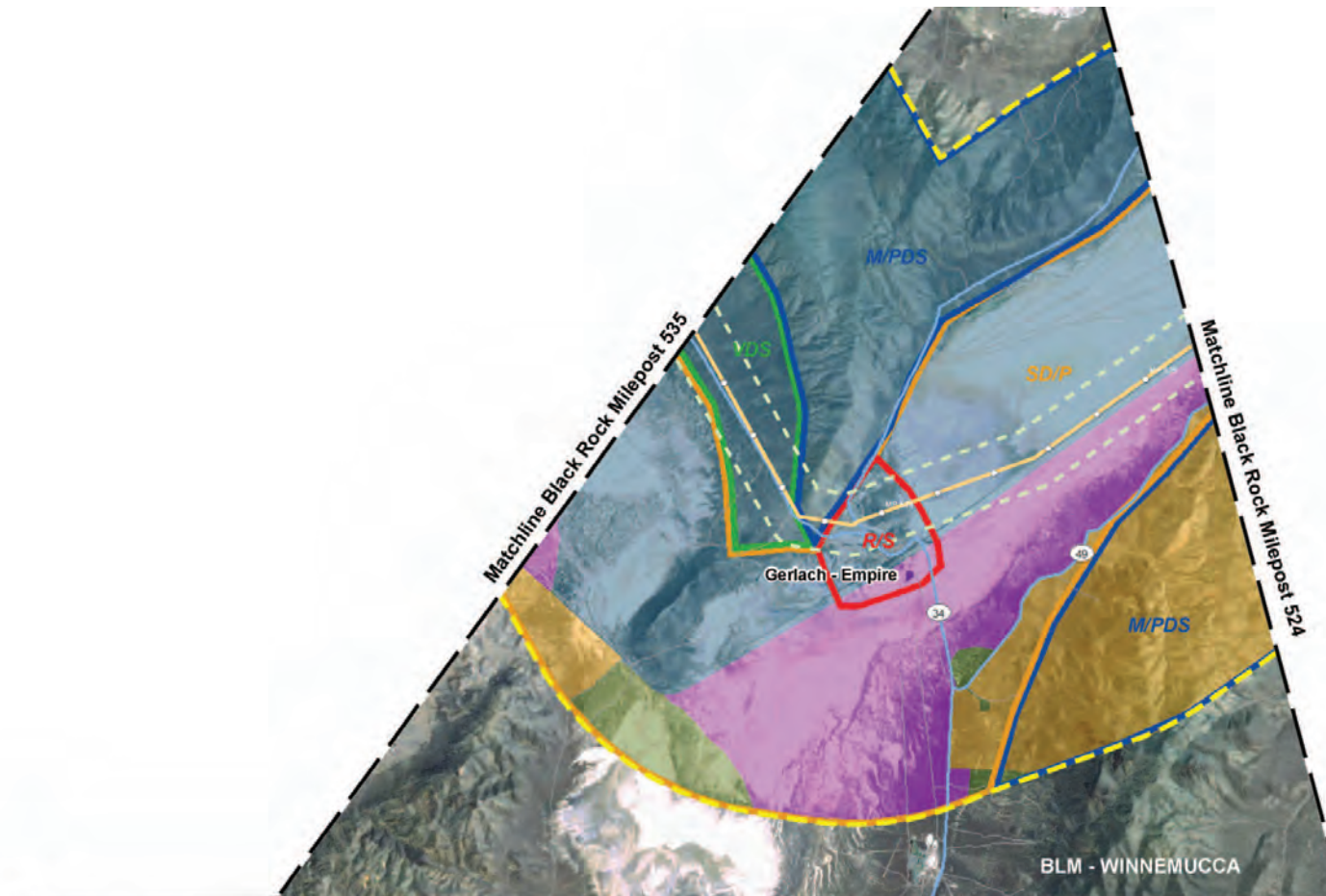






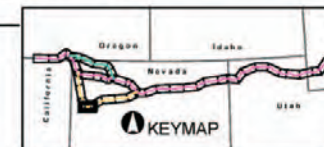






Key

|                                  |                   |                    |                                    |                            |                           |                            |
|----------------------------------|-------------------|--------------------|------------------------------------|----------------------------|---------------------------|----------------------------|
| Proposed Ruby Pipeline Alignment | Pipeline milepost | Historic trail     | Regional Landscape Character Units | Visual Resource Management | Visual Quality Objectives | Scenic Integrity Objective |
| Sheldon Alternative              | Interstate        | Compressor station | MC/MF                              | Class 1                    | FR/MPR                    | Very High                  |
| Black Rock Alternative           | Highway           | Linear Feature     | M/PDS                              | Class 2                    | FPR/MM                    | High                       |
| Middleground                     | Local road        | KOP                | MG                                 | Class 3                    | Partial Retention         | Moderate                   |
| Foreground                       | Access road       |                    | JW                                 | Class 4                    | Retention                 |                            |
|                                  |                   |                    | VDS                                |                            |                           |                            |
|                                  |                   |                    | R/S                                |                            |                           |                            |
|                                  |                   |                    | SD/P                               |                            |                           |                            |
|                                  |                   |                    | A/PV                               |                            |                           |                            |

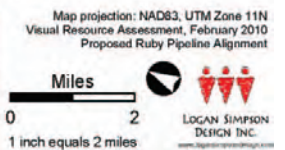
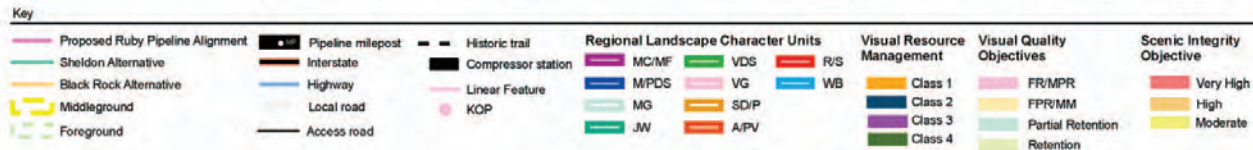
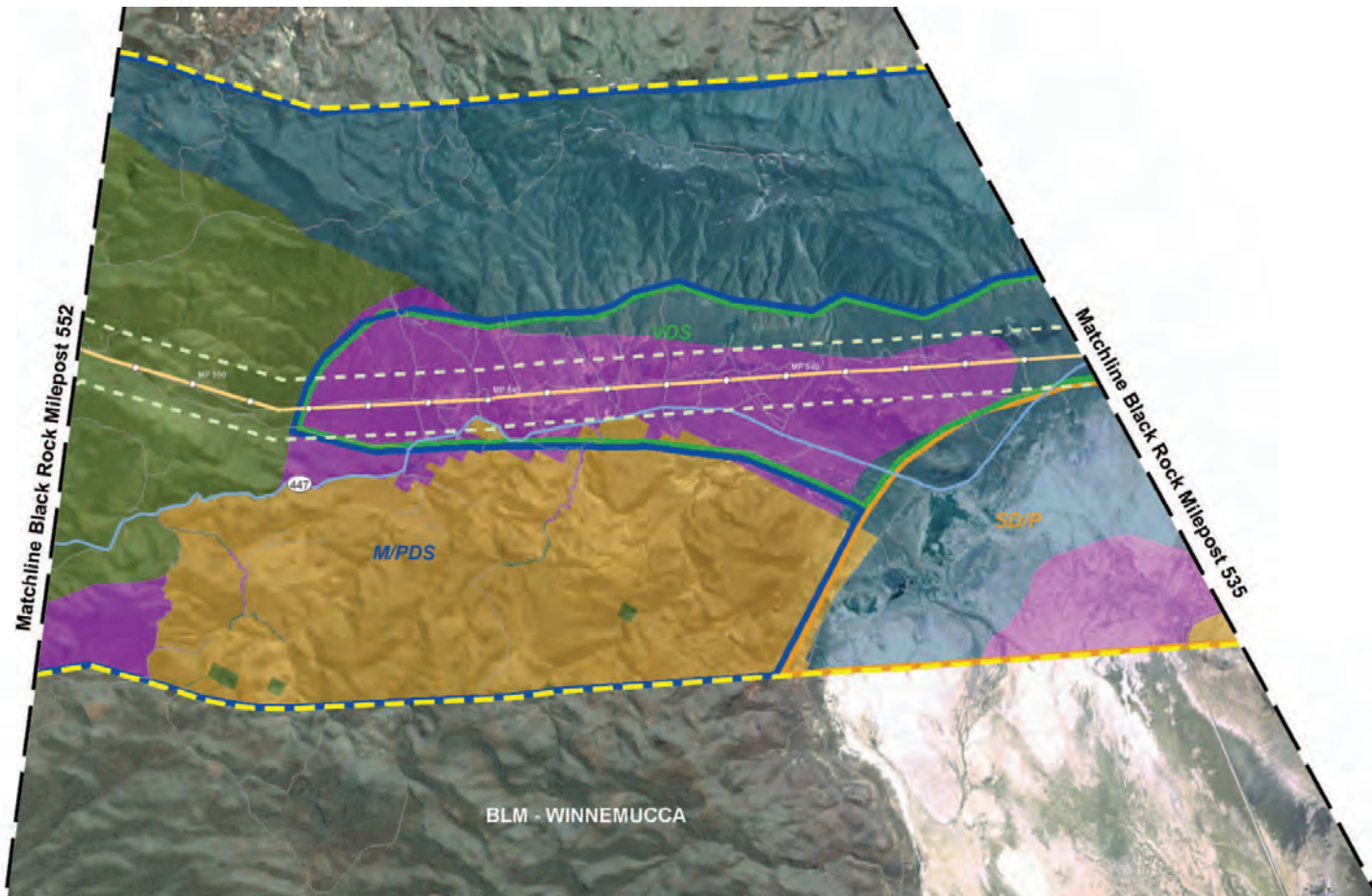


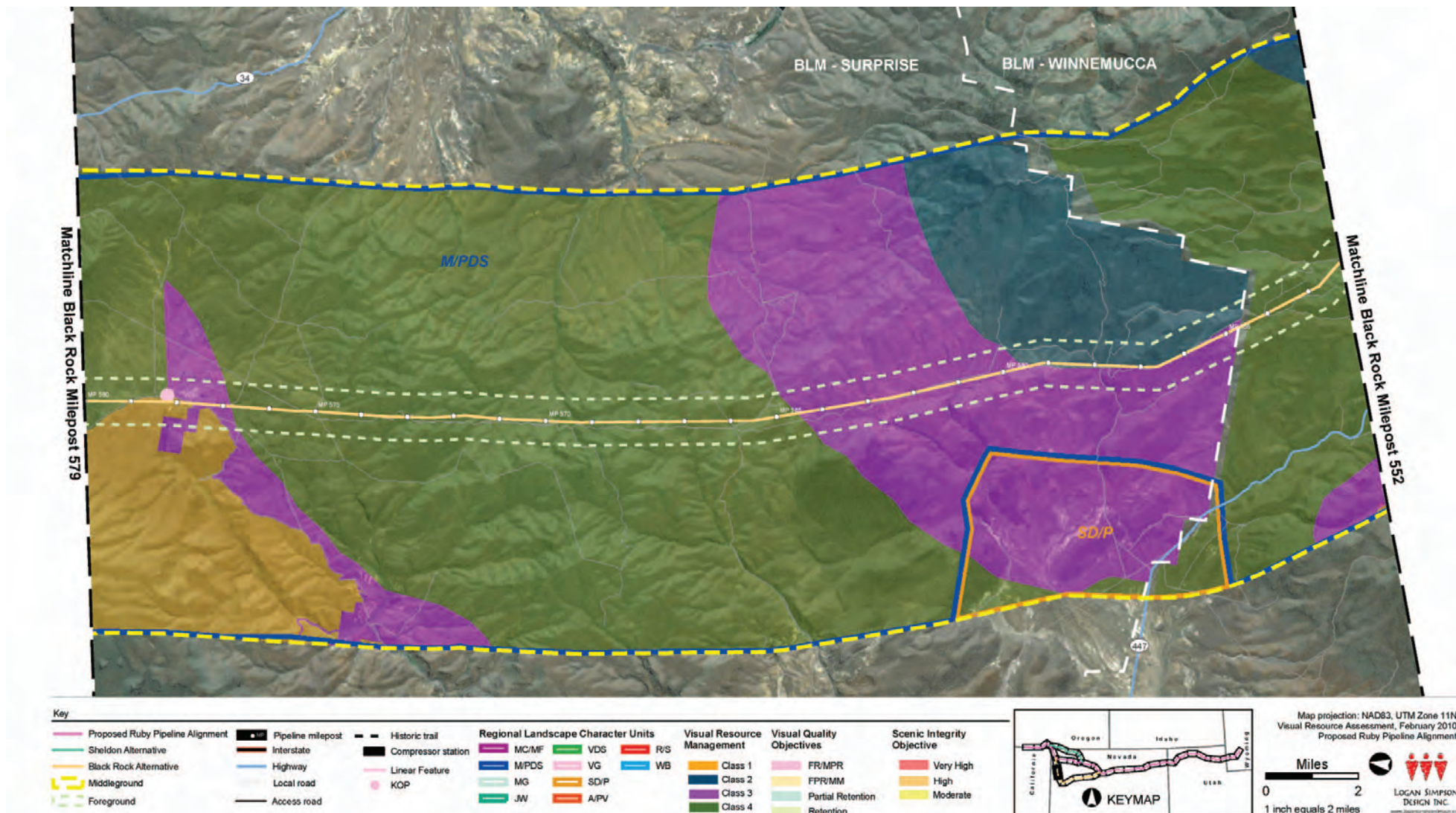
Map projection: NAD83, UTM Zone 11N  
 Visual Resource Assessment, February 2010  
 Proposed Ruby Pipeline Alignment

Miles  
 0 2  
 1 inch equals 2 miles

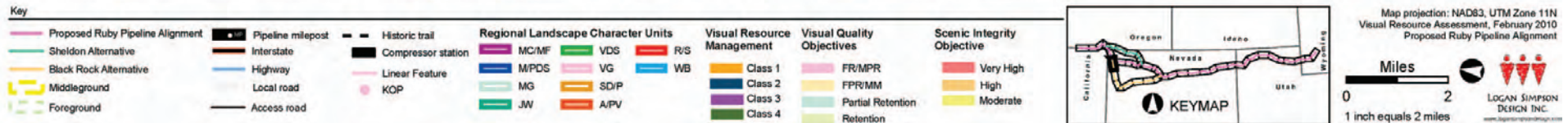
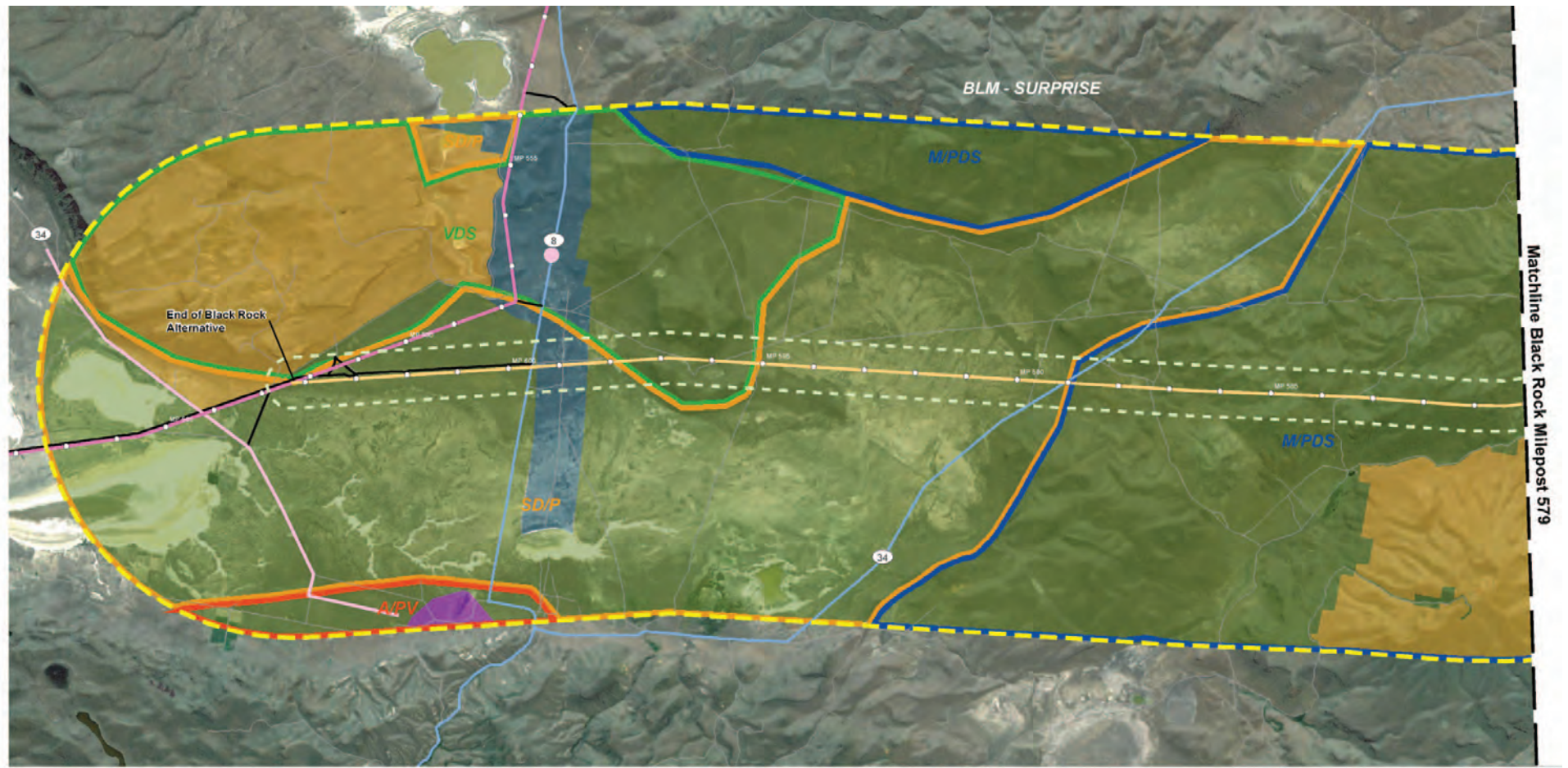
LOGAN SIMPSON  
 DESIGN INC.  
 www.logansimpsondesign.com















## **Appendix G**

### **Site-Specific Mitigation Measures**

Site specific mitigation measures have been developed for the locations shown on the following pages. Mitigation measures identified in section 6.0 of the Visual Resource Impact Assessment are to be applied in the landscape character units as indicated throughout the project.

Mitigation implementation shall be monitored by qualified BLM design or visual resource staff or their representative. Visual Resources mitigation monitor shall work with the Environmental Inspector or third party inspector to implement mitigation within the framework of contract general conditions and, depending on field conditions, work with the construction contractor and craft inspector to apply the appropriate measures that will satisfy the visual requirements in the RMP.

Referenced details are at the end of this appendix.



Location:  
MP 0.5

Alignment Sheet:  
300A-1

Description:  
Hwy 30 crossing near Opal



- Approximate limits of pitting/vertical mulching
- Approximate limits of no disturbance

#### Mitigation Recommendations:


- All construction and disturbance, including boring activities, shall occur from the road toe of slope out or outside of a 20 foot buffer from the edge of pavement, whichever is greater, on each side of Hwy 30 except for the development and maintenance of a temporary access road across Hwy 30 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 300 feet on either side of Hwy 30.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.
- Trample vegetation in 7.46 acre staging area and reclaim with pitting and vertical mulching techniques.

Location:  
MP 101

Alignment Sheet:  
300A-43

Description:  
Mantua



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor between approximately MP 101 and 101.9.



Location:  
Near MP 103

Alignment Sheet:  
300A-44

Description:  
Hwy 89 crossing near Mantua



#### Mitigation Recommendations:


- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of Hwy 89 except for the development and maintenance of a temporary access road across Hwy 89 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 300 feet on either side of Hwy 89 and in the staging area.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.

Location:  
MP 112.5

Alignment Sheet:  
300A-47

Description:  
Interstate 15/84 crossing



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor on the west side of Interstate 15 to agricultural field



Location:  
Near MP 127

Alignment Sheet:  
300A-53

Description:  
Hwy 102 crossing near MLV No. 10



Approximate limits of pitting/vertical mulching

#### Mitigation Recommendations:


- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of Hwy 102 except for the development and maintenance of a temporary access road across Hwy 102 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor to existing agricultural field on the north side of Hwy 102 and within staging area.
- Protect selected trees on east side of pipeline disturbance corridor and staging area if possible.

Location:  
Near MP 137

Alignment Sheet:  
300A-57

Description:  
Hwy 83 crossing in Howell



 Approximate limits of no disturbance

#### Mitigation Recommendations:

- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of Hwy 83, except for the development and maintenance of a temporary access road across Hwy 83 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.



Location:  
MP 172.5

Alignment Sheet:  
300A-72

Description:  
Wildcat Hills Compressor Station



Mitigation Recommendations:



- No clearing of vegetation to occur outside of compressor station site. Vegetation in necessary disturbance areas outside of the compressor station site to remain and be trampled unless otherwise specified.
- Existing vegetation to remain between developed berms in pipe yard, as practical. After project completion, berms to be removed in their entirety and disturbed area to be reclaimed with pitting and vertical mulching techniques. (See Exhibit E)
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 300 feet on west side of adjacent road.

Location:  
Near MP 20

Alignment Sheet:  
300A-9

Description:  
Oregon/California Auto Route  
(Hwy 412) crossing and staging area



-  Approximate limits of pitting/vertical mulching
-  Approximate limits of no disturbance

#### Mitigation Recommendations:

- All construction and disturbance, including boring activities, shall occur from the road toe of slope out or outside of a 20 foot buffer from the edge of pavement, whichever is greater, on each side of the Auto Route except for the development and maintenance of a temporary access road across the Auto Route through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Minimize pipeline disturbance corridor in wetland between Auto Route and Muddy Creek to 75 feet.
- Vegetation in staging area on north side of Auto Route shall not be cleared unless grading is required. Grading in this area is to be minimized if possible.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for approximately 170 feet between Little Muddy Creek and the Auto Route on the north side of the road crossing, and 300 feet on the south side of the road crossing.
- Trample vegetation in 0.92 acre staging area and reclaim with pitting and vertical mulching techniques.
- After pipeline installation, the temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.




Location:  
MP 209.5 to 212

Alignment Sheets:  
300A-87 & 88

Description:  
Near Transcontinental Railroad and  
Hwy 30



 Approximate limits of pitting/vertical mulching

#### Mitigation Recommendations:


- ROW clearing shall be in accordance with BLM guidelines.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor.

Location:  
Near MP 21

Alignment Sheet:  
300A-10

Description:  
US 189 crossing



 Approximate limits of pitting/vertical mulching

#### Mitigation Recommendations:

- All construction and disturbance, including boring activities, shall occur from the road toe of slope out or outside of a 20 foot buffer from the edge of pavement , whichever is greater, on each side of US 189 except for the development and maintenance of a temporary access road across US 189 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor within 300 feet of US 189 on the east side and within 800 feet of US 189 on the west side.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.





Location:  
Near MP 222

Alignment Sheet:  
300A-92

Description:  
Hwy 30 crossing



-  Approximate limits of pitting/vertical mulching
-  Approximate limits of no disturbance

#### Mitigation Recommendations:


- Provide vinyl coated chain link fence around MLV 16. Color to be selected from commercially available sources and to the extent possible consistent with BLM color schemes. Color to be approved by BLM.
- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of Hwy 30 except for the development and maintenance of a temporary access road across Hwy 30 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- After pipeline installation, temporary access road shall be removed in its entirety and all disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 300 feet on either side of Hwy 30.

Location:  
MP 266 to 267

Alignment Sheet:  
300A-110

Description:  
Winecup Ranch



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor from approximately MP 265.9 to MP 266.8, subject to landowner approval.



Location:  
MP 270.6

Alignment Sheet:  
300A-112

Description:  
Pipe storage area at US 93 crossing



#### Mitigation Recommendations:

- Existing vegetation to remain between developed berms in pipe yard, as practical. After project completion, berms to be removed in their entirety and storage area to be reclaimed with pitting and vertical mulching techniques. (See Exhibit E)
- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of US 93 except for the development and maintenance of a temporary access road across US 93 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 300 feet on either side of US 93.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.

Location:  
MP 330.5

Alignment Sheet:  
300A-136

Description:  
Wieland Flat Compressor Station  
and Hwy 225 crossing



#### Mitigation Recommendations:

- Vegetation in necessary disturbance areas outside of the compressor station site to remain and be trampled unless otherwise specified.
- Existing vegetation to remain between developed berms in pipe yard as practical. After project completion, berms to be removed in their entirety and disturbed area to be reclaimed with pitting and vertical mulching techniques. (See Exhibit E)
- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of Hwy 225 except for the development and maintenance of a temporary access road across Hwy 225 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 300 feet on either side of Hwy 225 and in the staging area.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.




Location:  
Near MP 339

Alignment Sheets:  
300A-139 & 140

Description:  
Hwy 226 crossing



 Approximate limits of pitting/vertical mulching

#### Mitigation Recommendations:

- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of Hwy 226 except for the development and maintenance of a temporary access road across Hwy 226 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for approximately 1000 feet to the east of crossing to ridge line and 1000 feet to the west of crossing to wash.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.

Location:  
Near MP 364

Alignment Sheet:  
300A-150

Description:  
Hwy 789 crossing



Approximate limits of pitting/vertical mulching

#### Mitigation Recommendations:

- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 300 feet on either side of Hwy 789.




Location:  
Near MP 369

Alignment Sheet:  
300A-152

Description:  
Willow Creek Reservoir



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor between MP 368.5 and 370.5.

Location:  
MP 476.5

Alignment Sheet:  
300A-196

Description:  
Desert Valley Compressor  
Station and Hwy 330 crossing



Approximate limits of pitting/vertical mulching

#### Mitigation Recommendations:

- Vegetation disturbance required outside of the compressor station site shall be trampled. Reclaim disturbed areas outside the compressor site with pitting and vertical mulching techniques.
- Existing vegetation to remain between developed berms in pipe yard as practical. After project completion, berms to be removed in their entirety and disturbed area to be reclaimed with pitting and vertical mulching techniques. (See Exhibit E)
- Pitting and vertical mulching reclamation techniques shall be employed 300 feet east of Hwy 330.



Location:  
MP 511.7

Alignment Sheet:  
300A-210

Description:  
Wash Crossing



Approximate limits of pitting/vertical mulching

Mitigation Recommendations:


- Pitting and vertical mulching reclamation techniques shall be employed approximately 2,200 feet east of wash and 850 west of wash.

Location:  
Near MP 517

Alignment Sheet:  
300A-212

Description:  
Lahontan Creek



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

- Pitting, vertical mulching, and trampling vegetation techniques shall be employed from approximately MP 516.5 to MP 517.6 and in the staging area.



Location:  
Near MP 518

Alignment Sheets:  
300A-212 & 213

Description:  
Lahontan Creek



- Approximate limits of pitting/vertical mulching
- Approximate limits of rock restoration

#### Mitigation Recommendations:


- Minimize pipeline disturbance through landform/rock formation
- Blast/remove rock cliff to leave heavily textured cut surfaces.
- Salvage rock removed from existing formation and replace along approximate location of removal. Place to appear as natural rock fall in disturbed area.
- Apply rock staining to match existing rock formation to cut and damaged surfaces and to rock replaced on pipeline alignment.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor between MP 517.6 and MP 518.80 and in the staging area.

Location:  
MP 520

Alignment Sheet:  
300A-213

Description:  
Road to Summit Lake  
reservation, crosses alignment at  
approximately MP 519.79



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

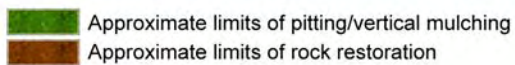
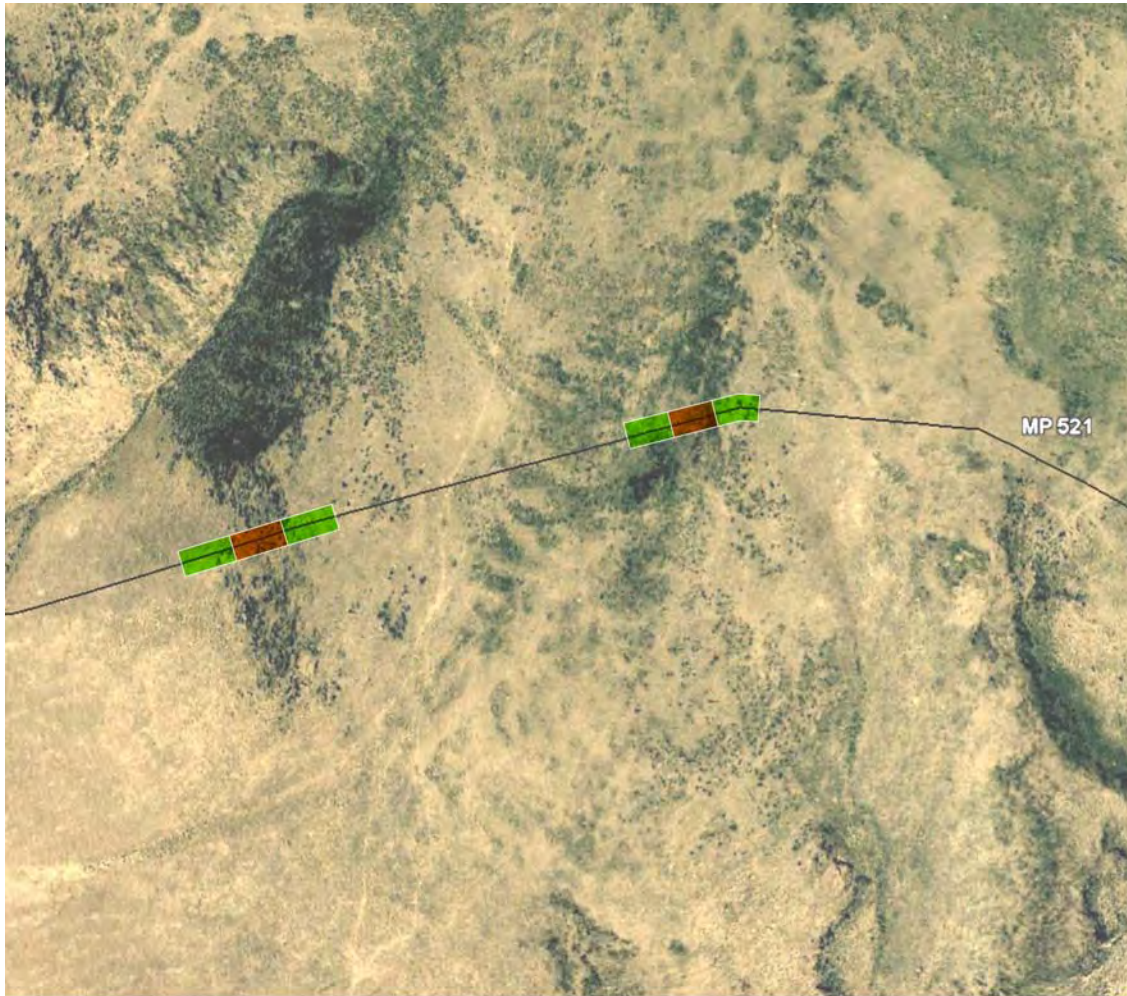
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 1,000 feet east of road and 600 feet west of road.



Location:  
MP 521

Alignment Sheet:  
300A-214

Description:  
Alignment crosses rock  
formation at approximately MP  
521.29 and MP 521.6



Mitigation Recommendations:

- Minimize pipeline disturbance through landform/rock formation
- Blast/remove rock cliff to leave heavily textured cut surfaces.
- Salvage rock from existing formation and replace along approximate location of removal. Place to appear as natural rock fall in disturbed area.
- Apply rock staining to match existing rock formation to cut and damaged surfaces and to rock replaced on pipeline alignment.

Location:  
MP 528.2

Alignment Sheet:  
300A-217

Description:  
Staging area and location where  
alignment crosses rock formations



 Approximate limits of pitting/vertical mulching

#### Mitigation Recommendations:

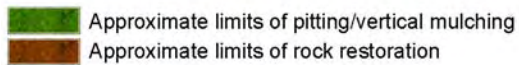
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 300 east of the roadway and approximately 600 feet west of the roadway and in the staging area.
- Salvage rock from excavation of rock formation and replace in approximate location of removed formation. Place to appear as natural rock fall in disturbed area.
- Apply rock staining to match existing rock for all cut faces and replaced rock.



Location:  
MP 532.2

Alignment Sheet:  
300A-218

Description:  
Alignment crosses landform with  
some rock formation and a staging  
area is located along roadway at  
approximately MP 532.47



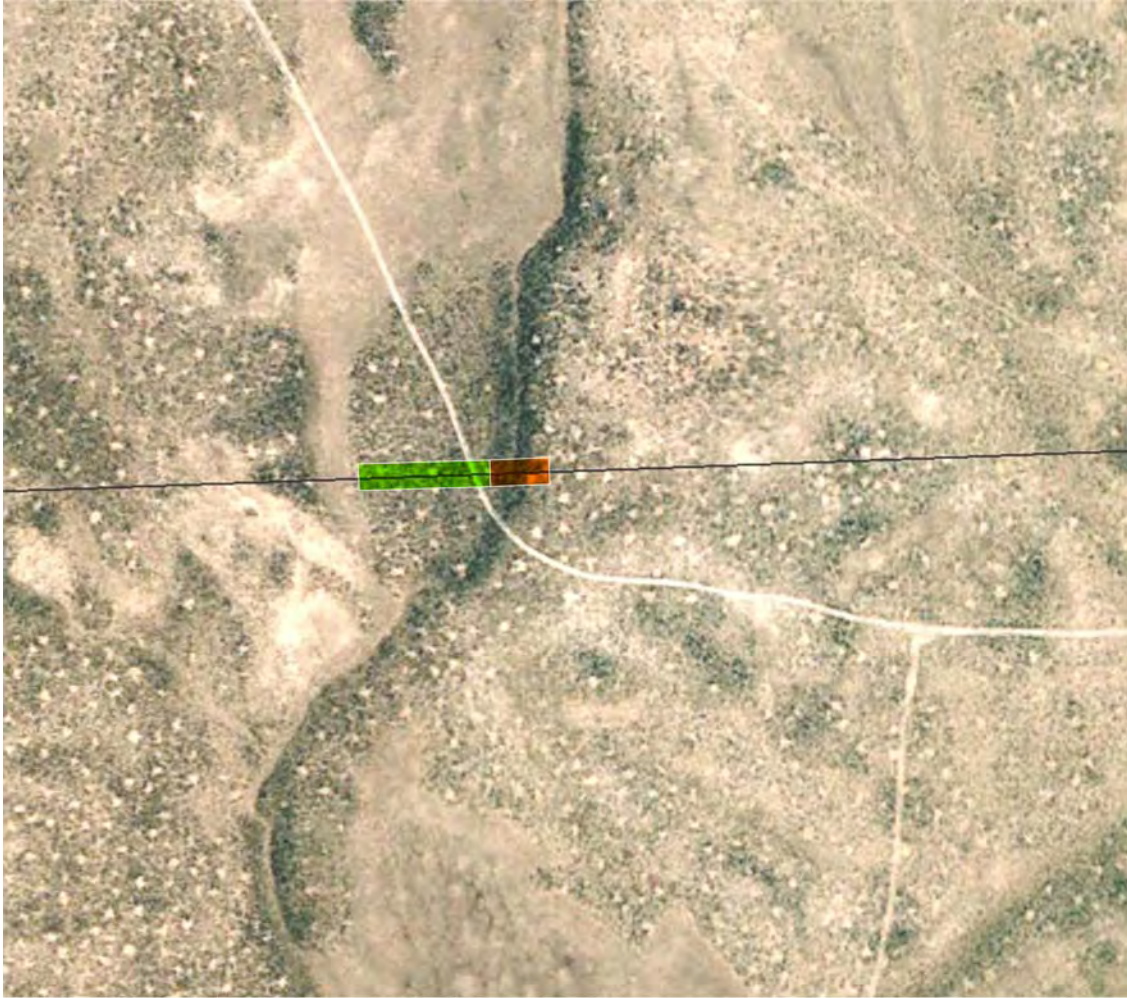
Mitigation Recommendations:



- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 1,200 feet east of the roadway, 300 feet west of the roadway and in the staging area.
- Minimize pipeline disturbance through landform/rock formation.
- Salvage rock from excavation of rock formation and replace in approximate location of removed formation. Place to appear as natural rock fall in disturbed area.
- Apply rock staining to match existing rock for all cut faces and replaced rock.

Location:  
MP 533.6

Alignment Sheet:  
300A-219

Description:  
Alignment crosses landform east of road



 Approximate limits of pitting/vertical mulching  
 Approximate limits of rock restoration

#### Mitigation Recommendations:

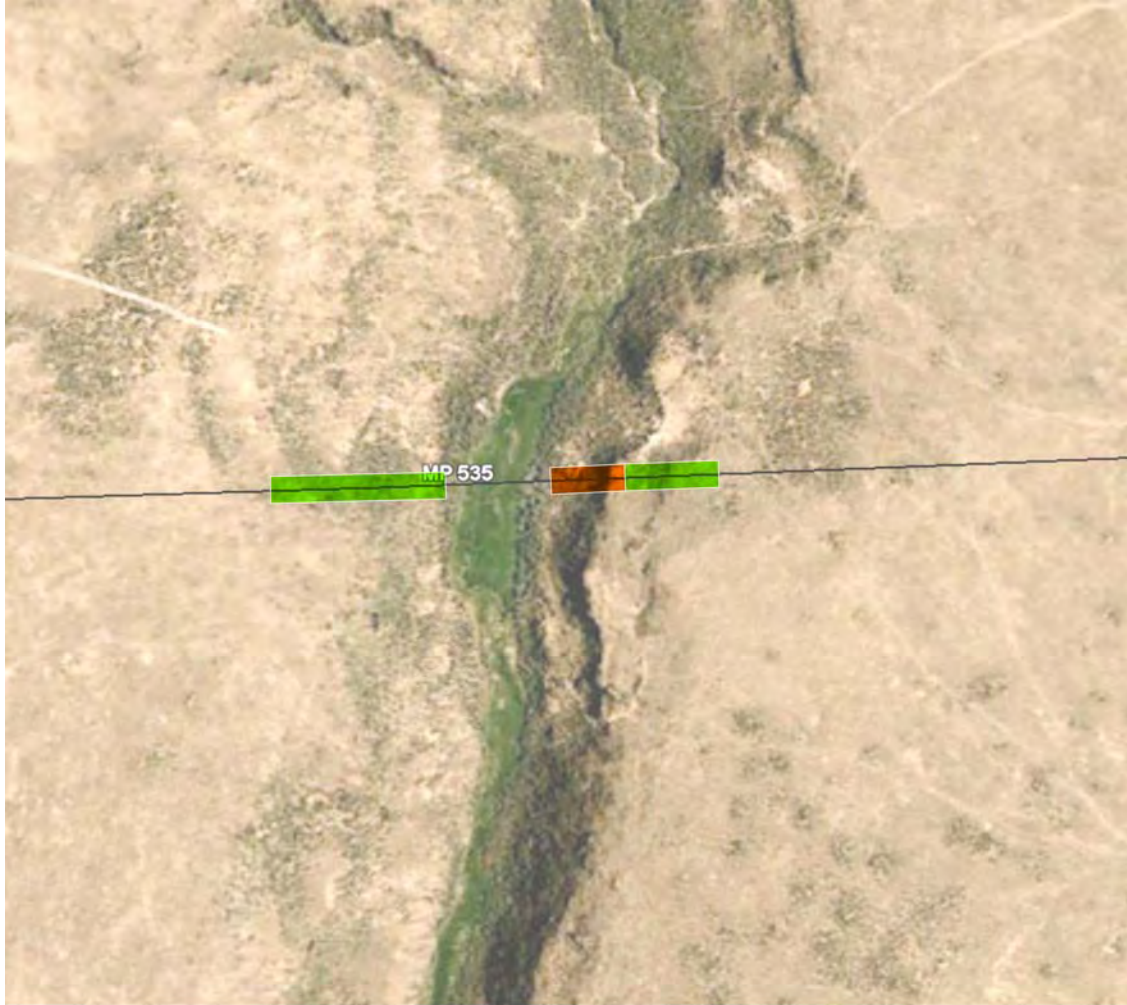
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 300 feet on the west side of the roadway and approximately 150 feet east of the roadway.
- Minimize pipeline disturbance through landform/rock formation.
- Salvage rock from excavation of rock formation and replace in approximate location of removed formation. Place to appear as natural rock fall in disturbed area.
- Apply rock staining to match existing rock for all cut faces and replaced rock.





Location:  
MP 535

Alignment Sheet:  
300A-219

Description:  
Wash crossing/steep cliff



-  Approximate limits of pitting/vertical mulching
-  Approximate limits of rock restoration

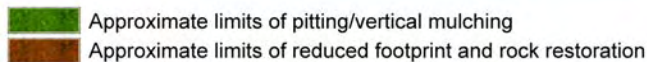
Mitigation Recommendations:

- Minimize pipeline disturbance through landform/rock formation.
- Blast/remove rock face to leave heavily textured cut surfaces.
- Salvage rock from excavation of rock formation and replace in approximate location of removed formation. Place to appear as natural rock fall in disturbed area.
- Apply rock staining to match existing rock for all cut faces and replaced rock.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 300 feet on each side of the wash.

Location:  
MP 536

Alignment Sheet:  
300A-220

Description:  
Alignment crosses steep cliff/rock  
formation at wash west of roadway



#### Mitigation Recommendations:

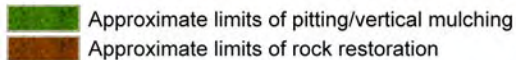
- Minimize pipeline disturbance through landform/rock formation.
- Blast/remove rock face to leave heavily textured cut surfaces.
- Salvage rock from excavation of rock formation and replace in approximate location of removed formation. Place to appear as natural rock fall in disturbed area.
- Apply rock staining to match existing rock for all cut faces and replaced rock.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 350 feet on the east side of the road, approximately 400 feet on the west side of the roadway to the rock formation and 850 feet west of the wash.



Location:  
MP 537

Alignment Sheet:  
300A-220

Description:  
Alignment crosses a steep cliff  
formation east of roadway



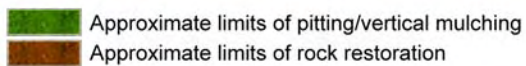
Mitigation Recommendations:

- Minimize pipeline disturbance through landform/rock formation.
- Blast/remove rock face to leave heavily textured cut surfaces.
- Salvage rock from excavation of rock formation and replace in approximate location of removed formation. Place to appear as natural rock fall in disturbed area.
- Apply rock staining to match existing rock for all cut faces and replaced rock.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 300 feet on the east side of the rock formation and 1,900 feet on the west side up to the roadway and 300 feet west of the roadway.

Location:  
MP 538

Alignment Sheet:  
300A-221

Description:  
Alignment crosses two cliffs/rock  
formations east of wash



Mitigation Recommendations:

- Minimize pipeline disturbance through landform/rock formation.
- Blast/remove rock face to leave heavily textured cut surfaces.
- Salvage rock from excavation of rock formation and replace in approximate location of removed formation. Place to mimic natural rock fall in disturbed area.
- Apply rock staining to match existing rock for all cut faces and replaced rock.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 1,100 feet on the east side of the eastern rock formation; in the space between the two formations; from the western formation to the roadway and approximately 300 feet west of the roadway.



Location:  
Near MP 54

Alignment Sheet:  
300A-24

Description:  
Hwy 16 crossing in Woodruff



- Approximate limits of pitting/vertical mulching
- Approximate limits of no disturbance

#### Mitigation Recommendations:


- All construction and disturbance, including boring activities, shall occur outside of a minimum 20 foot buffer from the edge of pavement on each side of Hwy 16 except for the development and maintenance of a temporary access road across Hwy 16 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor between Hwy 16 and the powerlines on the north side and within 300 feet of Hwy 16 on the south side.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.

Location:  
MP 542.6

Alignment Sheet:  
300A-223

Description:  
Staging area adjacent to road



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor 300 feet on each side of the road and the staging area.




Location:  
MP 545.8

Alignment Sheet:  
300A-224

Description:  
Alignment crosses wash and  
slopes near roadway



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:


- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 750 feet on the east side of the wash and 900 feet on the west side of the wash.

Location:  
MP 546.8

Alignment Sheet:  
300A-224

Description:  
Alignment crosses wash near roadway



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

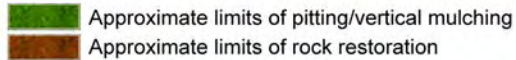
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 700 feet on the east side of the wash and 650 feet on the west side of the wash.



Location:  
MP 548.8

Alignment Sheet:  
300A-225

Description:  
Alignment crosses rock formation  
visible from Nevada SR 8A



Mitigation Recommendations:


- Minimize pipeline disturbance through landform/rock formation.
- Blast/remove rock face to leave heavily textured cut surfaces.
- Salvage rock from excavation of rock formation and replace in approximate location of removed formation. Place to mimic natural rock fall in disturbed area.
- Apply rock staining to match existing rock for all cut faces and replaced rock
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 300 feet on the east side of the rock formation and 300 feet on the west side up to the roadway.

Location:  
MP 550

Alignment Sheet:  
300A-226

Description:  
Staging area along roadway



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor 300 feet on east side of the road, 375 feet on the west side of the road and the staging area.




Location:  
MP 551

Alignment Sheet:  
300A-226

Description:  
Pipe storage area along Hwy 8A



 Approximate limits of pitting/vertical mulching

**Mitigation Recommendations:**


- Existing vegetation to remain between developed berms in pipe yard as practical. After project completion, berms to be removed in their entirety and storage area to be reclaimed with pitting and vertical mulching techniques. (See Exhibit E)
- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of Hwy 8A, except for the development and maintenance of a temporary access road across the highway through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Minimize pipeline disturbance corridor to 75 feet within 300 feet of road crossing.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 875 feet on the west of Hwy 8A and 600 feet on the east side of Hwy 8A and in the staging area.
- After pipeline installation, temporary access road shall be removed in its entirety and all disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.

Location:  
MP 571.5

Alignment Sheet:  
300A-234

Description:  
Barrel Springs Back Country  
Byway – south crossing



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

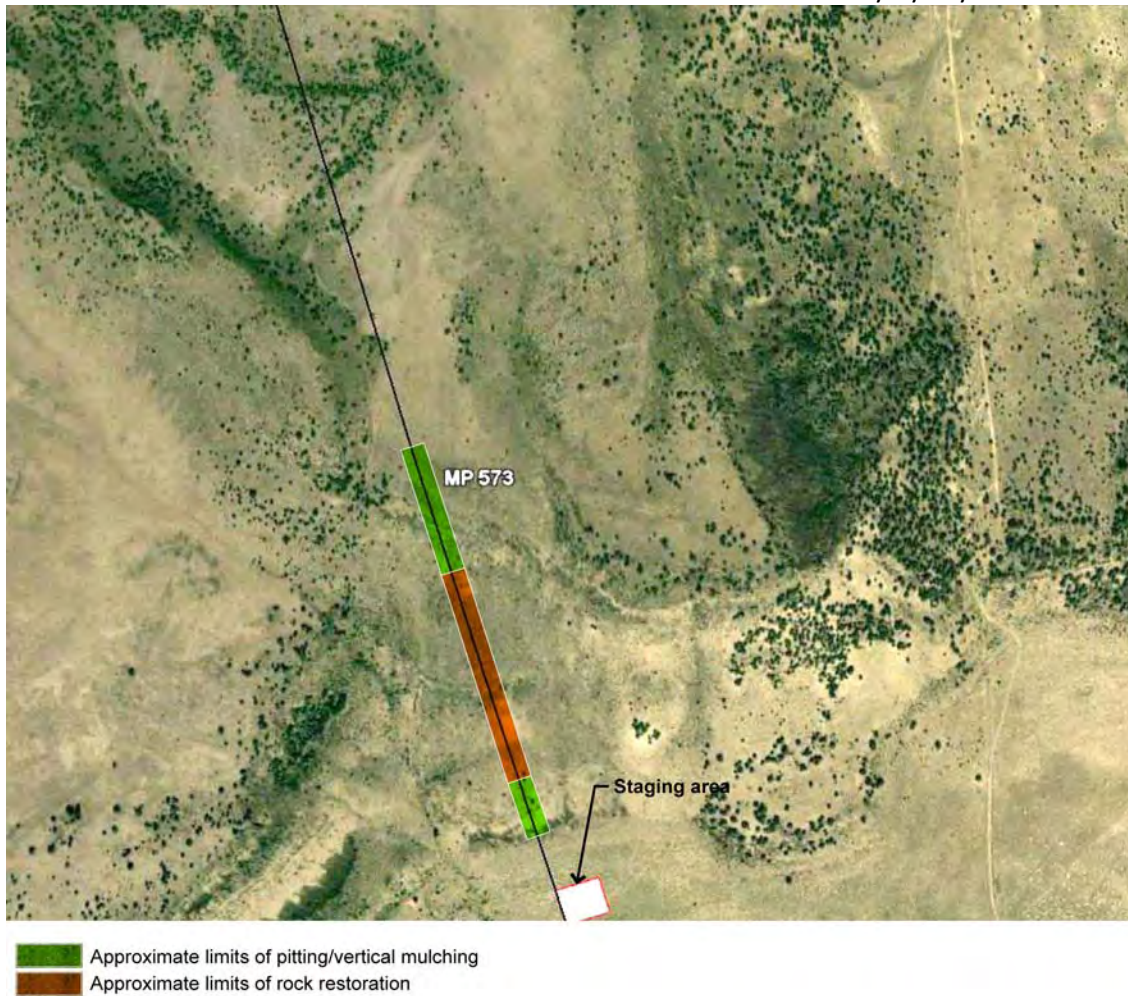
- Minimize pipeline disturbance corridor to 75 feet for 600 feet on either side of road crossing.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 600 feet on either side of Byway.



Location:  
MP 573

Alignment Sheet:  
300A-235

Description:  
Pipeline ascends steep slope visible  
from Long Valley and Barrel Springs  
Back Country Byway



Mitigation Recommendations:


- Minimize pipeline disturbance through landform/rock formation
- Blast/remove rock face to leave heavily textured cut surfaces.
- Salvage rock from excavation of rock formation and replace in approximate location of removed formation. Place to mimic natural rock fall in disturbed area.
- Apply rock staining to match existing rock for all cut faces and replaced rock.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor approximately 200 feet on the north side of the rock formation and 200 feet on the south side.

Location:  
MP 582

Alignment Sheet:  
300A-239

Description:  
Barrel Springs Back Country  
Byway – north crossing



 Approximate limits of pitting/vertical mulching

Mitigation Recommendations:

- Minimize pipeline disturbance corridor to 75 feet for 600 feet on either side of road crossing.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 600 feet on either side of Byway.



Location:  
MP 588.5

Alignment Sheets:  
300A-241 & 242

Description:  
Twelvemile Creek



- Approximate limits of pitting/vertical mulching
- Approximate limits of rock restoration and planting

#### Mitigation Recommendations:

- Salvage surface boulders and relocate on disturbed area to mimic existing conditions.
- Minimize pipeline disturbance through landform/rock formation.
- Blast/Remove rock face to leave natural appearing edges at cut.
- Apply rock staining to match existing rock for all cut faces and replaced rock.
- Reestablish local vegetation mix with use of plantings and supplemental water in addition to seeding.
- Reclaim staging areas with pitting and vertical mulching techniques.

Location:  
MP 608

Alignment Sheet:  
300A-250

Description:  
Roger Meadow/ Crane  
Mountain Trail



- Approximate limits of selective clearing
- Approximate limits of reduced disturbance width

#### Mitigation Recommendations:

- Selectively clear trees to create irregular edges and mimic natural openings in forest within all forested areas and at edges of meadow. (See Exhibit A)
- Minimize pipeline disturbance corridor to 75 feet within 200 feet of road crossings and through meadow.
- Pipeline disturbance corridor to be revegetated with shrubby vegetation on the fringes of the meadow where corridor re-enters forested areas.
- Maintain selected mature trees (+8" dbh) on spoil side of corridor.



Location:  
Near MP 614

Alignment Sheet:  
300A-252

Description:  
Oregon Outback Scenic Byway (US 395),  
south of Lakeview – pipeline crossing



Approximate limits of pitting/vertical mulching  
Approximate limits of no disturbance

#### Mitigation Recommendations:


- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of the Byway except for the development and maintenance of a temporary access road across the Byway through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 600 feet on the east side of Byway.
- After pipeline installation, temporary access road shall be removed in its entirety and all disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.
- Trample vegetation in staging area. Reclaim staging area with pitting and vertical mulching techniques.

Location:  
MP 64.8 to 65.8

Alignment Sheet:  
300A-28

Description:  
Ogden River Scenic Byway  
(Hwy 39)- on north facing slope



 Refer to exhibits C and C1

#### Mitigation Recommendations:

- Selectively clear trees and create feathered/irregular edges in all forested patches along disturbance corridor. (See Exhibit C and C-1)
- Incorporate drainage area species into reclamation seed mix in low areas and east facing slopes. Do not include these species in seed mix used on unvegetated west facing slopes.
- Reclaim all cleared vegetated areas with pitting and vertical mulching techniques.




Location:  
Near MP 651-659

Alignment Sheet:  
300A-267

Description:  
Rock Creek Campground/Willow  
Valley Road



 Approximate limits of pitting/vertical mulching

#### Mitigation Recommendations:

- Selectively clear trees to create irregular edges and mimic natural openings in forest adjacent to campground from MP 651.5 to 651.65. (See Exhibit A)
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for from MP 651.4 to 651.8.
- Place rocks/boulders excavated from area to create barriers to reduce vehicle access to corridor from campground. Coordinate location and configuration of barriers in the field with BLM.
- Create natural appearing boulder outcrops in cleared area.
- Scatter excavated rock on disturbed surfaces to mimic surrounding area.
- Maintain selected mature trees (+8" dbh) on spoil side of corridor.
- Along Willow Valley Road, from approximately MP 651.88 to MP 659, maintain undisturbed area adjacent to road surface in coordination with BLM.

Location:  
Near MP 73

Alignment Sheets:  
300A-31 & 32

Description:  
Ogden River Scenic Byway  
(Hwy 39) – pipeline crossing



#### Mitigation Recommendations:

- All construction and disturbance, including boring activities, shall occur from the road toe of slope out or outside of a 20 foot buffer from the edge of pavement, whichever is greater, on each side of Hwy 39 except for the development and maintenance of a temporary access road across Hwy 39 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- Pitting and vertical mulching reclamation techniques shall be employed in pipeline disturbance corridor for 300 feet on either side of Hwy 39.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.
- Provide vinyl coated chain link fence around MLV 6. Color to be selected from commercially available sources and to the extent possible consistent with BLM color schemes. Color to be approved by BLM.





Location:  
Near MP 95

Alignment Sheet:  
300A-40

Description:  
Hwy 162 crossing in Avon

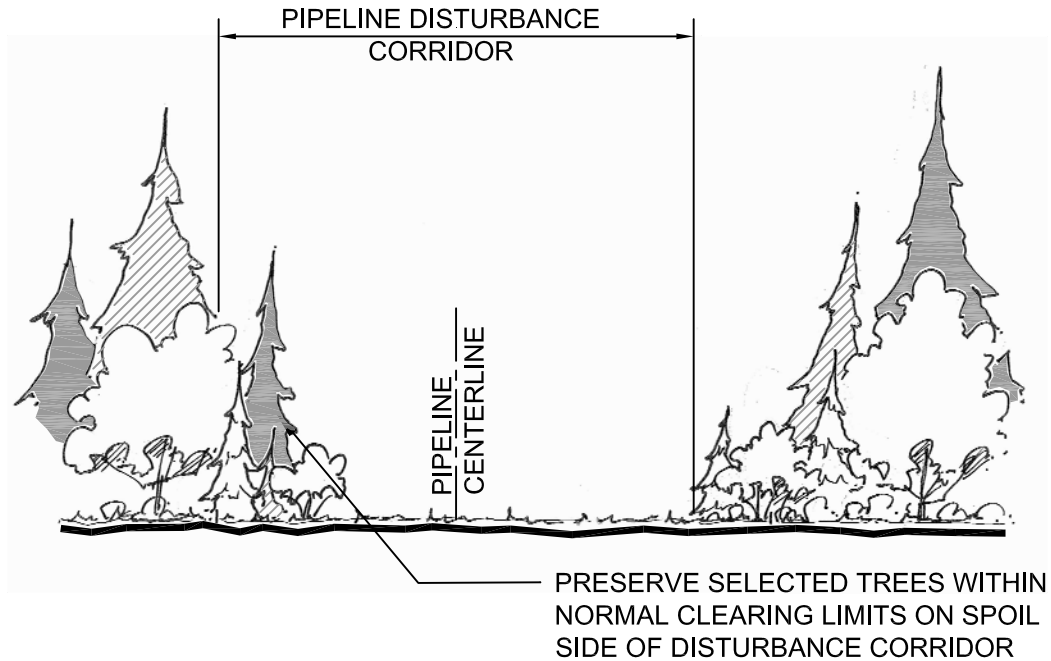


-  Refer to exhibits D
-  Approximate limits of no disturbance

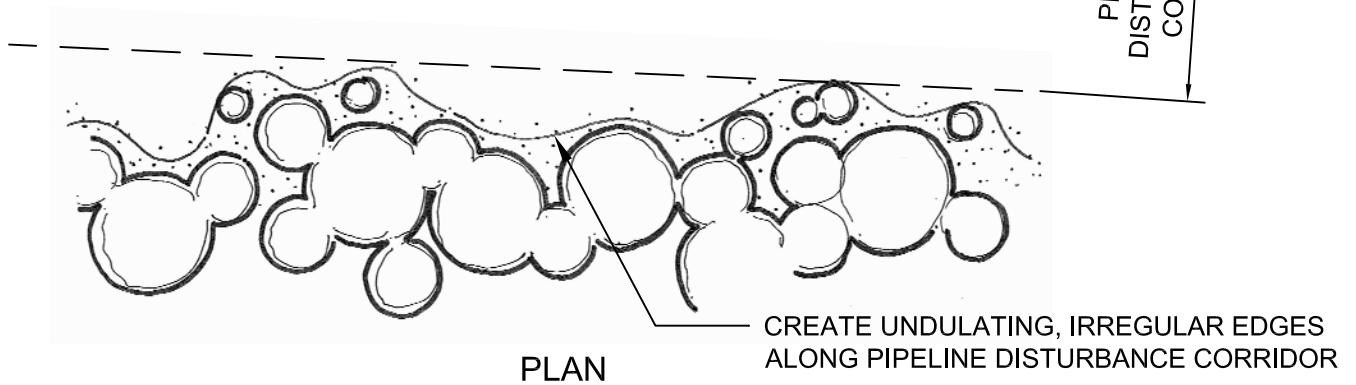
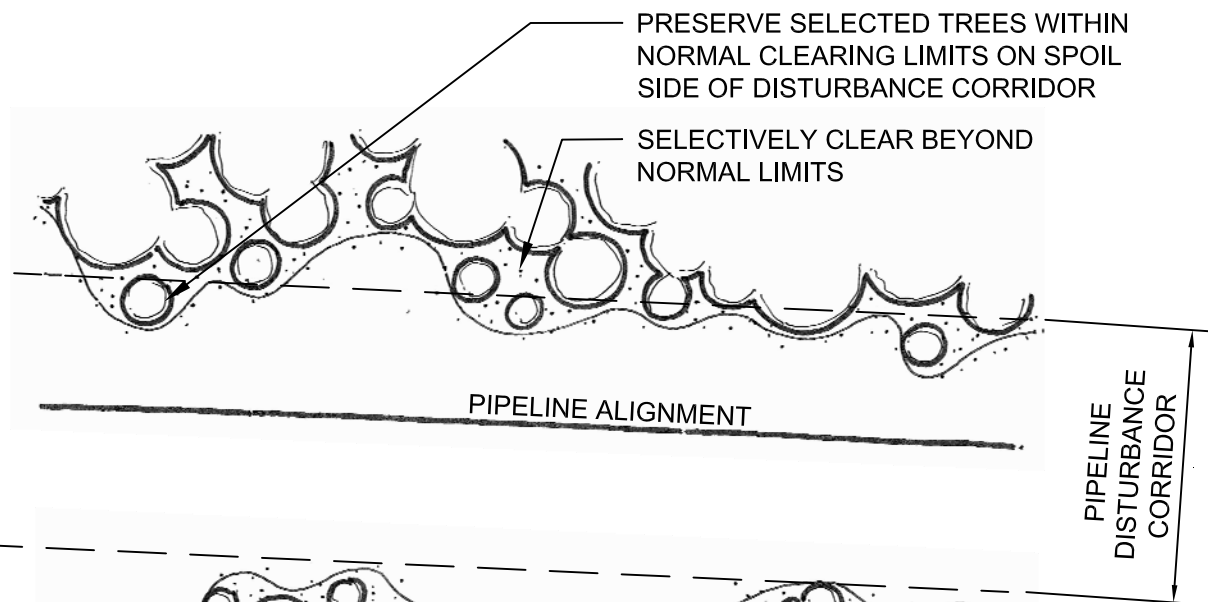
#### Mitigation Recommendations:

- Selectively clear trees and create feathered/irregular edges in all forested patches along disturbance corridor. (See Exhibit D)
- All construction and disturbance, including boring activities, shall occur outside of a 20 foot buffer from the edge of pavement on each side of Hwy 162 except for the development and maintenance of a temporary access road across Hwy 162 through the duration of the project. All existing vegetation within this defined area shall be maintained and protected.
- After pipeline installation, temporary access road shall be removed in its entirety. All disturbed areas shall be regraded and reclaimed with pitting and vertical mulching techniques.

## FORESTED AREAS



### SECTION



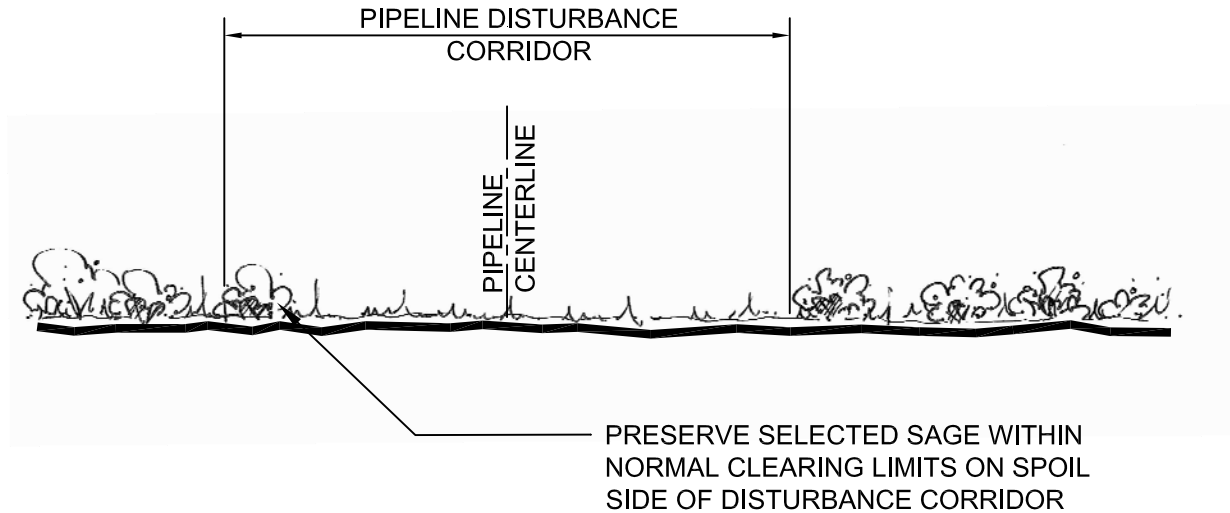
### PLAN

## SELECTIVE CLEARING, IRREGULAR EDGE, & FEATHERING

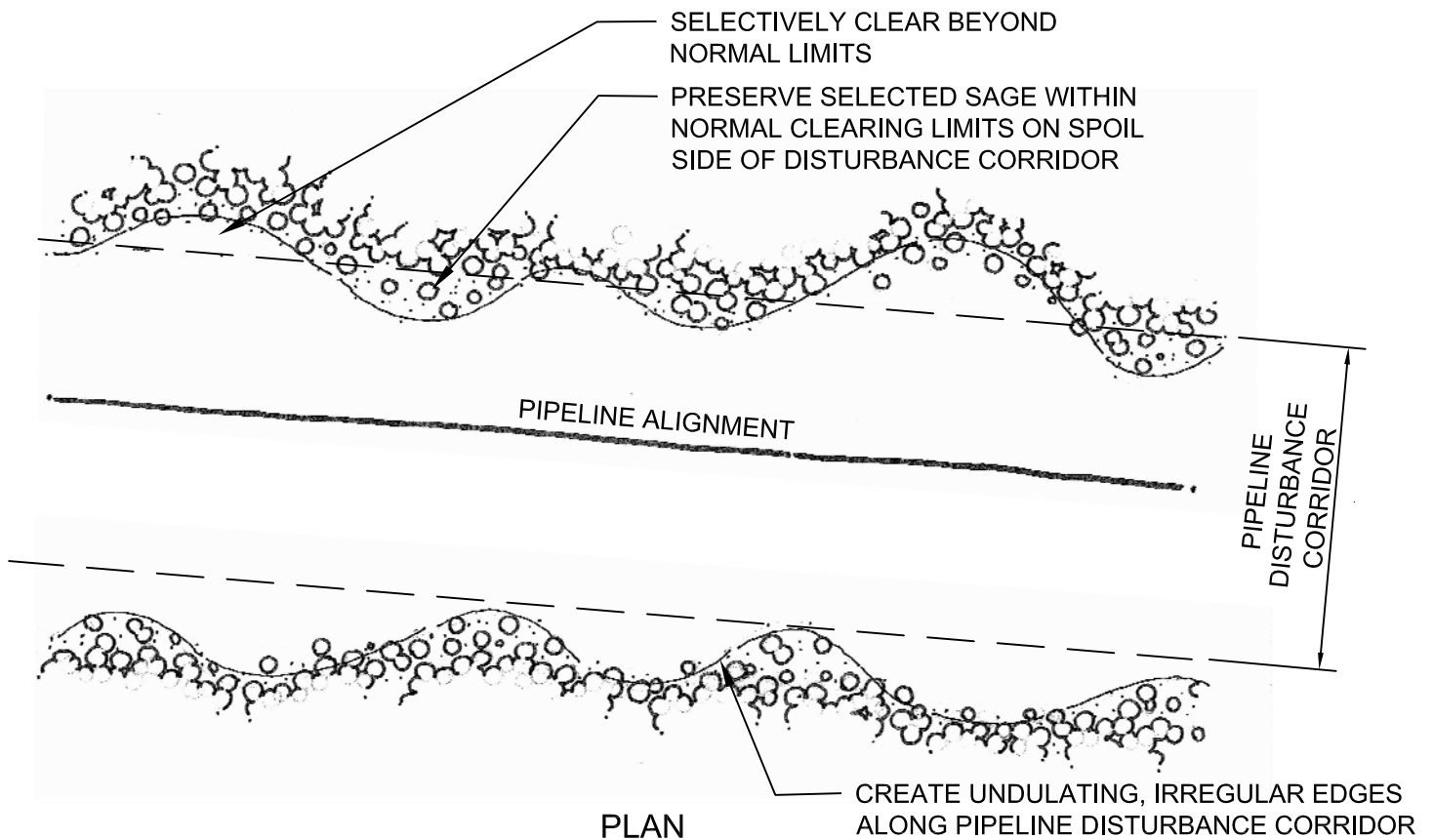
NOT TO SCALE



# SAGE & GRASSLANDS

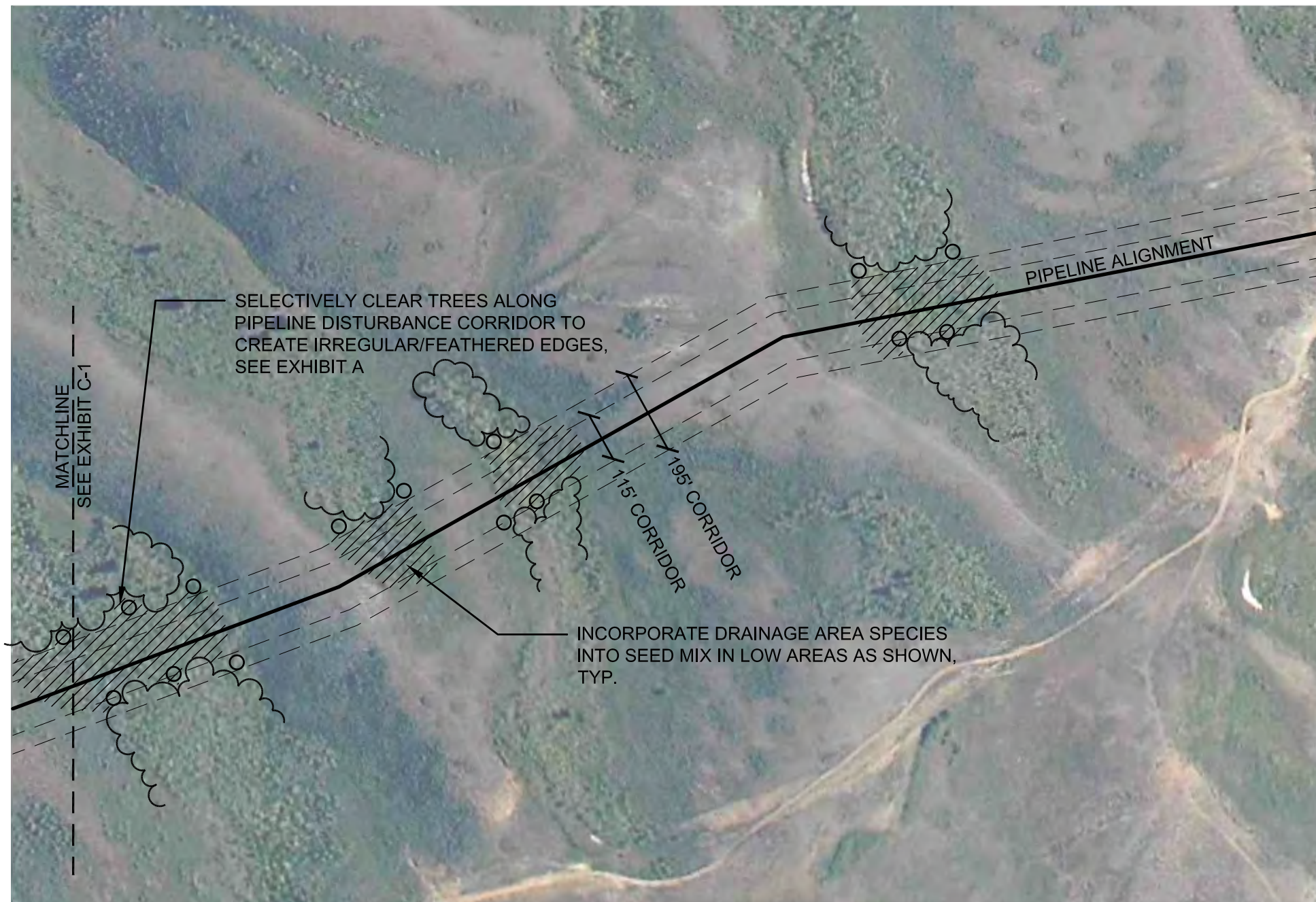


## SECTION



## SELECTIVE CLEARING, IRREGULAR EDGE, & FEATHERING

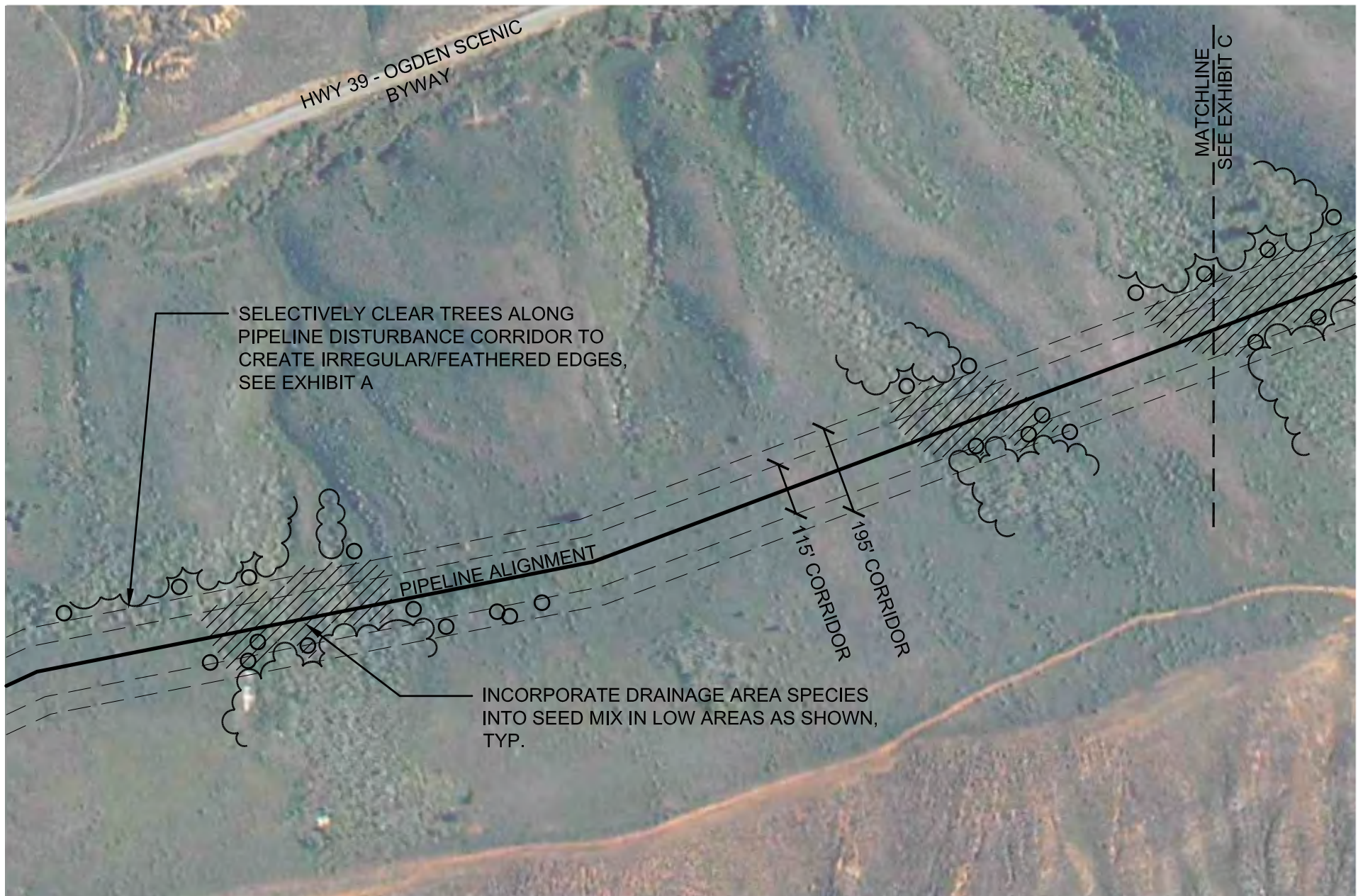
NOT TO SCALE



MP 64.8 to 65.3

NOT TO SCALE

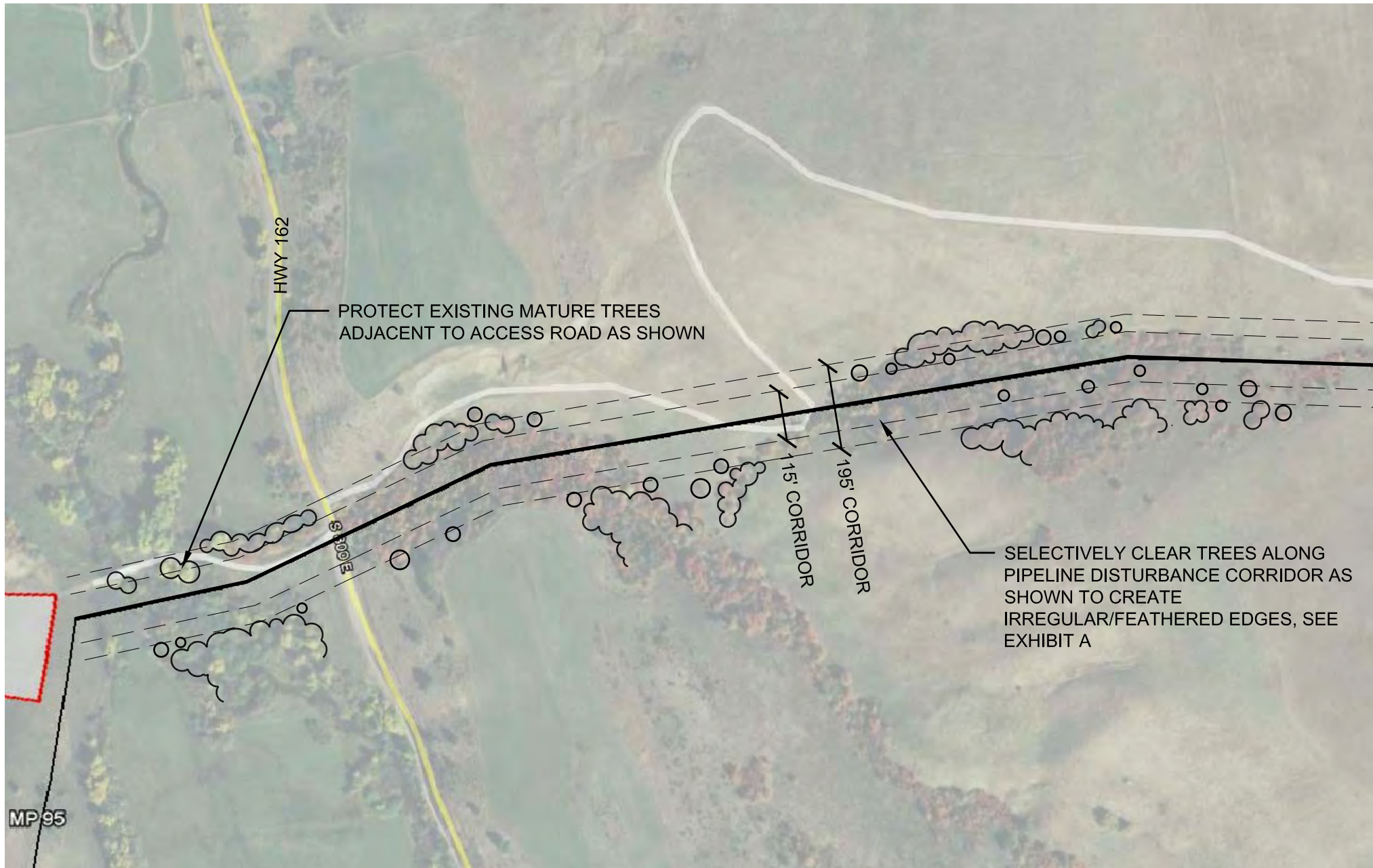




MP 65.3 to 65.8

NOT TO SCALE

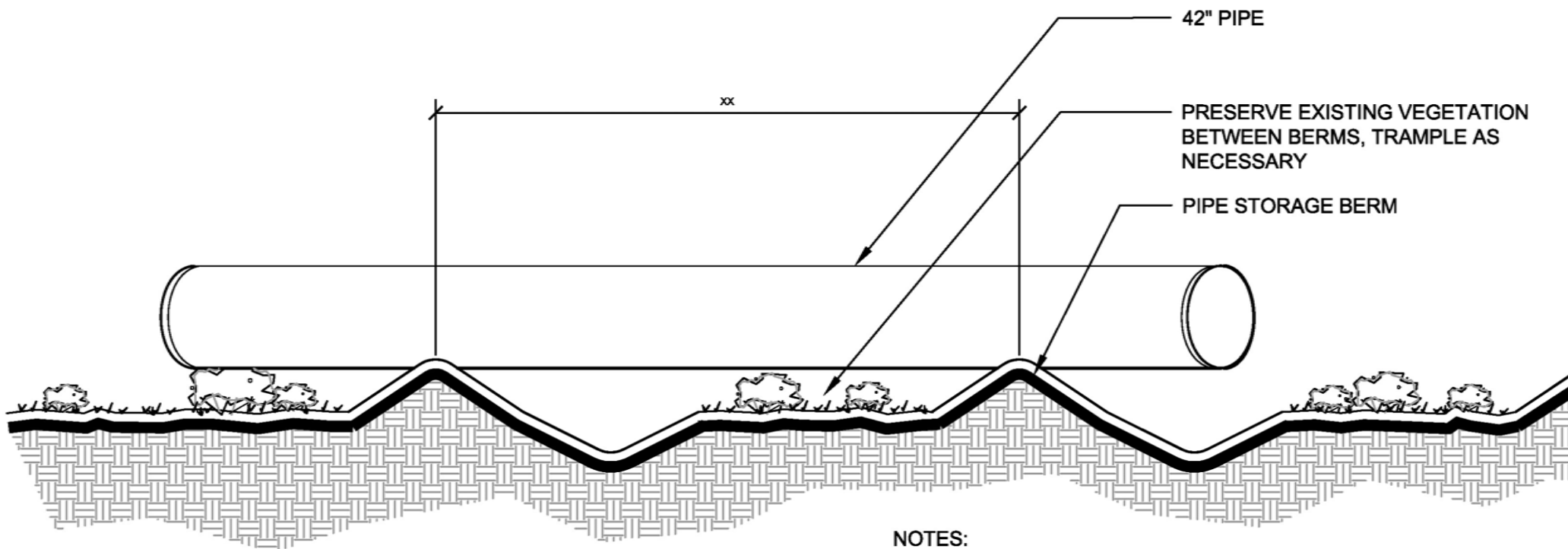




NEAR MP 95 - HWY 162 CROSSING IN AVON

NOT TO SCALE





NOTES:  
- REMOVE PIPE STORAGE BERMS, REGRADE, AND RECLAIM  
WITH PITTING AND VERTICAL MULCHING TECHNIQUES.

## PIPE STORAGE BERMS

NOT TO SCALE